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# QCWA NEWS

SPRING, 1980

Volume 29 No. 1

QCWA INTERNATIONAL  
RADIO NETWORKS

Sundays:

2000 UTC

21,446 kHz

NCS: W2SF, W6FQ  
W2CVF

Wednesdays: "CW"

8:00 PM Local  
Eastern  
Time

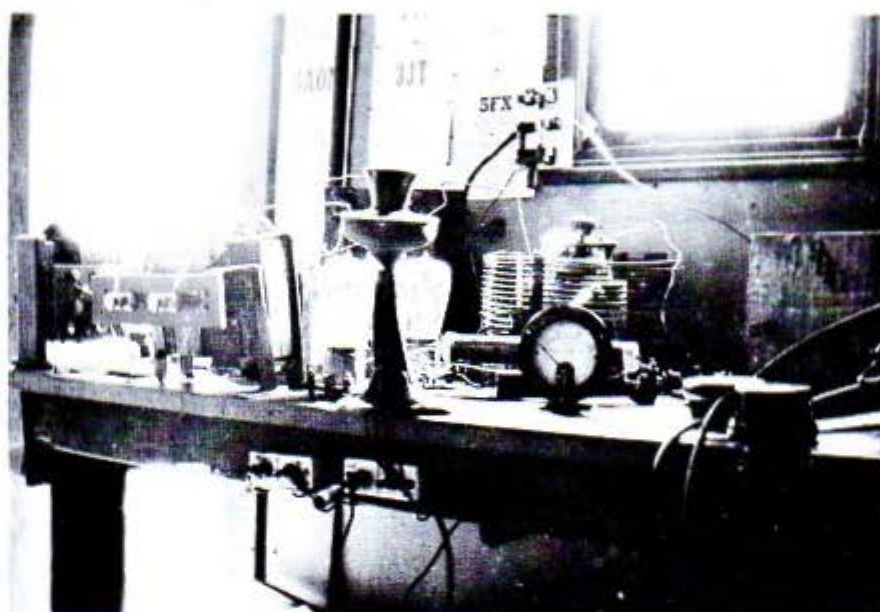
on 7035 kHz

9:00 PM Local  
Eastern  
Time

on 3750 kHz

NCS: W2JBL, W9CV

FORWARDING & RETURN  
POSTAGE GUARANTEED



AMATEUR 9DZG, TAKEN IN AUGUST, 1924

Every Old-timer know that a large majority of amateur stations in the 1920's were, what is known as "haywire."

In the "Haywire" category, I am submitting to QCWA NEWS, a possible candidate for first prize! The transmitter shown, in August, 1924, used the "Sure Fire 1DH" circuit, with three UV-202 five watters in parallel. The power supply consisted of an Acme 1500 volt center-tapped transformer, and behind that a homebrew filter choke. Two "S" tube rectifiers and about 4 mfd of filter condensers helped the tone. A straight key is nestled just to the right of the helix. A telephone microphone was in use for a very short time...after a few rather severe burns on my nose and hands, I decided that loop absorption modulation was not for me.

The Receiver, to the right, behind the "Baldies" headset, consisted of one UV-202, in a home-built regenerative circuit. The antenna was an awkward 4-wire flat top carried over from use with the old and out of date spark rig. Oddly enough, all this haywire put together stuff worked rather well.

"After looking at the picture fm 9CCS (Fall, 1979 News) I am not so sure of first prize in the Haywire class. As you have correctly stated, 'it is a beautiful picture of Ham Radio Stations as they existed in that day.' The wiring of 30D resembles a web fabricated by a drunken spider, Hi."

73

Earl R. Linder 79DZG QCWA #9850





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# QCWA NEWS

JOURNAL OF THE

QUARTER CENTURY WIRELESS ASSOCIATION

Volume 29, No. 1

Spring, 1980

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## QUARTER CENTURY WIRELESS ASSOCIATION

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## PRESIDENT'S LETTER

The Year 1979 has been a most busy year for me.. Sandwiched between business trips, I have had the opportunity to attend many local QCWA functions, & have visited with many of our members located in remote areas. I intend to continue to participate in as many activities as possible. It is wonderful to meet members in France, Germany, Italy, in the Pacific areas, and in the Holy Land! From my point of view, QCWA is indeed a magnificent organization spanning continents and oceans! It is impossible to evaluate our contribution to understanding between Nations and people, but it must be considerable.

Among those who work hard to promote QCWA are a fairly sizable group who contribute many hours in maintaining our QCWA On-The-Air meetings. Nearly all QCWA Chapters have one or more such, and nationally, the Sunday Afternoon nets and the CW nets have a dedicated group of net-control stations who make it, day in and out, rain or shine. We owe them all a great deal for their dedication!

In April, your Officers and Board of Directors will meet in executive and general sessions to consider plans and problems in connection with QCWA.. Already many hours have been spent making plans to permit the Board to function in an orderly manner. I want to thank all of them for their contribution to QCWA!

I want to urge each member of QCWA, to participate in QCWA activities as much as time permits... to take part in Chapter activities, to give us a part of yourself, your hand-shake, your smile and your voice! These make QCWA the great organization it is.

*Harry S. Gartsman*

### QCWA STAFF

Ted Heithecker	W5EJ	General Manager
Rollie Terrill	W5RC	Assistant General Manager
Wesley Randles	W4COW	Activities Manager
J. R. Neelands	W6DLL	Books and Publications
Lee Knirko	W9MOL	Advertising Manager
Ellsworth Weinberg	N5EW	Legal Advisor
Cindy Jones	W5IPD	YL's Viewpoints
T. E. Heithecker	XKN5UVZ	Computer Consultant

### PAST PRESIDENTS

John Di Blasi, W2FX,	President Emeritus	1947-1964
Earl R. Thomas,* W2MM		1964-1968
Clarence Seid, W2KW		1968-1971
Barry Goldwater, K7UGA		1971-1973
Frank A. Gunther, W2ALS		1973-1977

### EXECUTIVE SECRETARY - EMERITUS

Ralph G. Barber, W2ZM*	1955-1964
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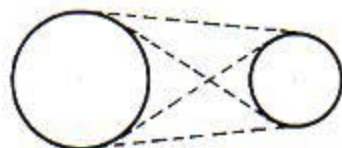
### HONORARY MEMBERS

George E. Sterling	Peaks Island, Maine
Richard E. Wiley	Arlington, Virginia
Rosel H. Hyde	Washington, D.C.
Col. W. J. Baird	Alexandria, Virginia
Robert E. Lee	Washington, D.C.

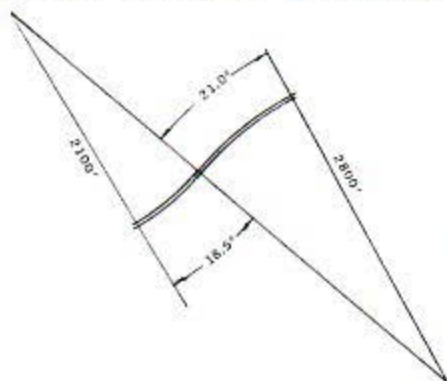


# QCWA BRAIN TEASERS

Below are two new brain-teasers. We've found that QCWA members are schmaradt!! They may not work calculus, but arrive at the correct answer anyway! These are not too difficult, and don't have much to do with radio, they'll give you a tussle anyway! More & better in the Summer News!



The figure above represents two pulleys. Find the length of the belt running around them. The radii of the pulleys are: 3' & 2 feet respectively, the distance between centers being 16 feet... Find the length of the belt that follows the path of the dashed lines above, to the nearest one-hundredth of a foot. 2 answers!



a railroad curve, reversed to form a lazy S curve, consists of two circular arcs, one of 18° 30' with a radius of 1800', the other 21°, with a radius of 2800'. The two tracks are separated 42". Find the difference in length of the two tracks, to the nearest one-hundredth of a foot.

THIS IS THE FIRST ISSUE OF QCWA NEWS IN THE NEW 1980 DECADE AND WE'VE COME A LONG WAY FROM THE BEGINNING IN 1947. FROM TIME TO TIME WE HAVE BEEN APPROACHED TO SUPPLY GOOD, OR PERHAPS OVERWHELMING REASONS FOR JOINING QCWA...IN THIS DAY & AGE WHEN EACH OF US, OFTEN OF NECESSITY, MUST FIND BARGAINS YOU MAY HAVE TO JUSTIFY MEMBERSHIP...OUTLINING "JUST WHAT'S IN IT FOR ME".....THERE IS ONLY ONE ANSWER!

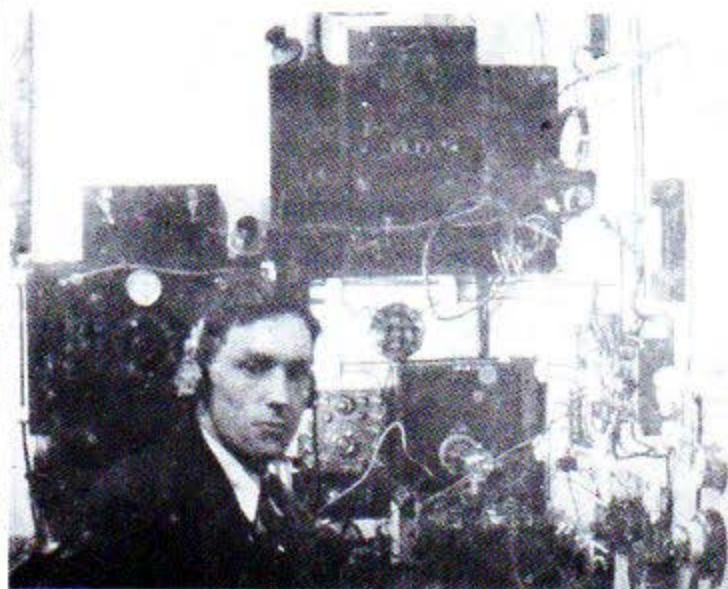
QCWA WAS FOUNDED BY A GROUP OF OLD-TIMERS WHO HAD COMMON INTERESTS, WHO LOVED TO VISIT, TO REMINISCE, TO SOCIALIZE AND FIND JOY IN SEEING AN OLD FRIEND, HEARING HIS VOICE AND IN SHAKING HIS HAND. THIS IS THE ESSENCE OF QCWA. WE MAY FROM TIME TO TIME BRANCH OFF, TAKE UP THE CUDGEL IN AN EFFORT TO ADVANCE THIS OR THAT CAUSE, TO GIVE A HELPING HAND, TO ADVANCE THE CAUSE OF AMATEUR RADIO, BUT FUNDAMENTALLY WE ARE A SOCIALLY ORIENTED ORGANIZATION. WE PAY NO DIVIDENDS, YOU WILL CLIP NO COUPONS FROM QCWA STOCK CERTIFICATES BUT WE DO HAVE A CURRENCY!

WE HONOR THE TRADITIONS OF AMATEUR RADIO, WE HONOR OUR OLD TIMERS, WE TAKE TIME TO SOCIALIZE, OUR COIN IS FELLOWSHIP!

- Ed -

## The Editor's Corner

SPCL NOTICE: (1). RESERVE YOUR ROOM FOR DAYTON CONVENTION & ORLANDO QCWA CONVENTION! (2). CHECK YOUR MAILING LABEL (FRONT PAGE) FOR DUES EXPIRATION DATE! (3). QCWA WILL AWARD PLAQUE TO MEMBER SIGNING MOST NEW MEMBERS IN 1980! (4). TIME FOR NOMINEES TO QCWA HALL OF FAME, SEE HLR NOV '79 FOR RULES! (5). QCWA SCHOLARSHIP AWARD STILL OPEN FOR 1980, SEE PAGE 13 FOR INFO!



Pictured above is A. E. Hay (Bert), G2KG & VK2AE. Bert was first licensed as 2KG (Great Britain), November 4, 1919.... The Photo was taken on his 21st birthday (4-23-20). The rig was spark, & a one-valve CW operating on 1000 metres, & 10 watts radiophone on 440 metres. Bert joined the Marine operating staff of Marconi of London in 1916 & was transferred to the Royal Naval Reserve at Port Said in August, 1917. He operated as 2KG for three years, then returned to sea-going duty as Wireless Officer with the Cunard Line. In 1925 was appointed Wireless Superintendent to Union Steam Ship Co of New Zealand (one of the P&O group) & in that year from the new Liner "Aorangi" collaborated with Fred Schnell (ARRL) who was commissioned into the US Naval Reserve, in development of short-wave communication. The first-ever fully paid trans-world radiogram was sent by Bert from the Aorangi, lying at Suva, direct to Gibraltar for transmission by cable to the UK in 1928. Bert's radio experience has been a wide one including a period as research engineer with the Radio Communication Co., of London. Bert took his family to Australia in 1948, and was well-known as VK2AGW. In 1977 he returned to Australia and received VK2AE...He will be 81 year of age in April, 1980! He is a member of RSGB, and a Fellow of the Royal Society of Arts and QCWA #119061.

In the Fall, 1979 QCWA NEWS, Ted Koranye, W2SFW, submitted a problem...He reports the following supplied correct ans!

W1AM, W1KUL, K1POM, W2AIM, W2BDE, W2CU, W2OR, K2GT, W2OUX, K2QB, W2RAG, W2SUE, W2WAM, W2ZCE, W3GVG, W3IGN, W3WU, K4DE W4DIO, W4EHF, AG4S, K4GX, W4HW, K4IHX, W4LCB, W4NOS, K4OJ, K4SP, N4SP, W4UPZ, W4US, W4XO, W4A1J, W5EF, W5FD, W4LKQ, KASN, W5NFO, K5NM, W5QU, W5WF, W6CU, W6CQF, W6DXG, W6EVL, W6FU, W6JMA, W6JU, W6KKF, N6MM, W6KKR, K6MO, W6MUR, W6NQU, W6OOR, W6WL, W7EA, W7HNT, W7IM, W7KNZ, KB8JU, W8MQG, W8SM, W9BS, W9QYP, W9JNH, W9NZF, W9RGH, W9ZTK, W9BCT, W9KVO, W9LC W9LM, W9TV, W9PF, W9REQ, W9WZR, VE3SB, VE3YA, W9QIH, W9WJA, W2SLF.

Correct approach, but errors in arithmetic: K1AMJ, K2HXS, N4CW, W5ADU, W5ATM, W6DVB, K6ET, K6RJ, W7SVV, W9EUT.

Incorrect answers: K2HWF, W2KRD, W2POV, K4FGP, W4JXI, W4NEJ, W4SOT, W4ZU, W5AWT, N5RA, W7AUK, W7WNH, W7MME, W8OA W9BOX, W9ATU, W9TN.

There is a variety of solutions...and the gang finds them all. The enthusiasm of the older members (75 & over) makes me think of an appropriate slogan:

OLD HAMS NEVER FADE AWAY WHEN THEY JOIN Q. C. W. A.

-Ted, W2SFW-

Ted has promised more Kirchoff problems for us in the summer QCWA NEWS...get ready, they'll be loaded! - Ed -



**CHICAGO AREA SILENT KEYS**

Since the last issue of QCWA NEWS the Chicago Chapter has lost three well known & highly regarded members.

First to go was Al Cox, W9UAA. Al was a member of Chicago Chapter & was very well known in Chicago Ham circles. He was a former editor of Mike Shy, the publication for the Society of Radio Operators.

It is difficult to decide where to begin telling of the background of M. W. (Mac) McRae, W9RC, who died January 26, 1980. Licensed in 1923, Mac held the call 9RC - W9RC throughout his life. Nationally, W9RC was one of three net-control stations for the International QCWA Net. He was also Activities Manager for QCWA until a short time before his death.... Mac's principal interest in amateur radio was CW, and his fist was well known on the low bands.. The Chicago Chapter owes its existence to his efforts. After a dormant period, Mac & others were able to bring it back to active Chapter status. A former President of our Chapter, he belonged to numerous amateur organizations including QCWA, SOKP, OOTC & RCC. At our quarterly dinner meeting Ero Erickson, K9DDYS, suggested that our new local CW net be called the McRae CW Net. The membership voted unanimously to accept this suggestion. Mac, pictured above, at one of his last public appearances, introducing his lifetime friend Matty Matthews, at the September, 1979 QCWA Convention. Picture by John Bayalis W9CSA.



The latest Chicago Chapter member to go was Ernie Necker, W9SF. Although he had belonged to our Chapter only a short while, he was well known in Amateur & other radio circles. While Vice President for McKay Radio for the Far-East region, & living in the Philippines, Ernie and his wife were captured by the Japanese early in WW-II. They were interned for three and a half years, undergoing great hardship. In recent years he had been a manufacturers representative in the Chicago Area.

Paul Crum, W9LC

Guy Blencoe, W4HVU, sent a copy of the Retired Officers Association publication "The Intercom." Guy had written a story on QCWA and Communications for the February, 1980 issue. It was well written and introduced readers to the working of QCWA and Amateur Radio. It is circulated to more than 1600 potentially influential men and women many of whom may be interested. Good work, Guy, and thank you for the copy!

John Wauman, W9GVI, recently let us know that he is now W9CN...In renewing his membership in QCWA, he sent in a nice donation. We thank you, John!

W5EJ

Herbert Preston, W2RI2, sent us a sample QSL card for consideration printed in traditional style. We appreciate it Herbert, and we'll be submitting newly suggested styles soon!

Otto Grapp, K2FP, was awarded his 50-Year Golden Certificate with a 56-year endorsement. Otto was 3VE in 1923.

Linwood Lessig, K4SV, dropped us a line advising that it would be good to print a reminder to all to look at the mailing label on their NEWS regularly, and thus avoid falling into an arrears situation in dues to QCWA. We are taking his advice!

Vern Milton, W6EPW, an old friend and a fine radio-man, recently joined QCWA and advised us that he had suffered a heart attack about a year ago, forcing his retirement. Vern, living in good old San Diego, has been in Broadcast Engineering for many years doing consulting and other engineering work!

W5EJ

Frank Hartley, VE3JT, wrote a short note. Frank often appears on the QCWA Sunday afternoon net. Like to urge as many as possible to take part in it...

We had the opportunity to visit Frank and his Lady about three years ago. I rank it as one of the very nicest eyeball contacts we've ever had!

-Ed-

Tony Litschauer, W4JQ, sent a picture of his mobile rig, using his electric wheel-chair. Tony's pal "Sussie" went with him as a passenger, on that trip.



Tony's home layout is as modern as tomorrow...He says the new-fangled rigs mess him up---always pushing the wrong button. He's used to the old rigs we used to have, where you had a steady hand, otherwise hand-capacity would sure lose your signal quick. W4JQ's layout is shown below.



Red Abbott, W6FAA, dropped us a line nominating candidates to the QCWA Hall of fame. Red included news, and mentioned that he had enjoyed QCWA coverage on R. H. G Matthews (Matty), in a recent issue of the NEWS.

Ralph Hasslinger, W2CVF, is the proud possessor of the only hook rug in the world featuring QCWA. The rug was hand-made by his son and family. The field is deep blue, the QCWA logo is nicely reproduced, and across the top is a fine flat-top antenna with the call W2CVF inset. We have a pix of it, but without color the effect would be lost.

Gene Todd, W6BBY, wrote suggesting that we have pertinent info in one spot, for quick reference. We are taking his advise, important information summary will be on the EDITORIAL PAGE (Page 4).

Duke Miles, W5HKE, has been getting a 40-meter CW net organized in Houston.. Don't know how it's doing, but it was expected to appear on 7148 kHz!





CLEARWATER, FL., Three members of Gator CHAPTER, representing 170 combined years of Ham radio are pictured receiving their appropriate award Certificates from Harry Cole, W4DLL, Chapter President. On the left is Harold "Cappy" Grigsby, AA4MF, 50 Years, next is Jerry Dunkleman, W2ACZ and Dave Davis, W4GQ, each with 60--Year Awards.. Gator boasts of 34-50 Year and 8-60 Year Award holding guys whose total tenure amounts to 2,180 years! Gator also has 4 members of the new Century Club!! Photo by Eileen, XYL of W4DLL.

#### CENTRAL OKLAHOMA CHAPTER No. 63

1979 has been a good year for the Central Oklahoma Chapter and we have every reason to expect 1980 to be even a better year. Let's start the year with a real effort to attend all meetings.

The average attendance at our Sunday Morning on-the-air get-togethers for the fourth quarter of 1979 was 34, and we had one meeting with 40, a record. Our fourth quarter honor roll for perfect attendance includes the following:

W5AS, W5DDI, W5EHR, W5FIJ, W5HFU, W5HXL, W5NDJ, W5OZE, W5TY, and, W5VEJ. Runners up, with only one miss are: W5ATO, W5JCQ, W7LLP, via relay, W5NTE and W5PHD. Congratulations.. The ANNUAL honor roll consists of W5DDI, W5NDJ & W5TY.

It's election time at Central Oklahoma...new Officers will be elected filling the positions of Chairman, Vice-Chairman and two board members.

The Silent-Key plaque now includes the call of W5RZF!

-Ralph, W5AA-

#### SOUTHERN ONTARIO CHAPTER

Officers of the Chapter are: Mel Riddell, VE3QU, President, and, Les Whetham, VE3QE, Secretary.

The Chapter puts out a well organized newsletter with plenty interesting material for all members. Of particular interest is one department titled "fine tune" in which short personal items, one line or so, from and about many of the Chapter members...good reading...especially between the lines.

The Ontario Chapter, as so many others have, find the QCWA QSL card to be too formal, and too far away from the traditional style to be really the way they'd like it.

#### ARIZONA CHAPTER QCWA

Lucky, K7NTG, supplied us with a copy of the Jan. 1980 Newsletter for the Chapter. Included was a complete roster of Chapter members. The Arizona Chapter letter is newsy, and enjoyable to read and generally has a number of good informational items too. The January issue was no exception.

-W5EJ

#### SHREVEPORT CHAPTER

The Shreveport Chapter had a meeting at Sambo's, on 70th, in Shreveport, on the evening of Jan 22, 1980, at 7PM. The speaker for the evening was Ralph Nix, Manager of Distribution Engineering of the Southwestern Electric Power Co.... who spoke on "Electronic Control of Power Loads and their Future in this area."

Those attending were: W5PNB, W5MXC, W5SKX, W5AJS, W5VMY, W5ISP, W5MFS, W5CJ, W5DPJ, W5LQ, K5SLV, W5MJC, W5JAH, W5WE, W5LMS, W5QIK, W5AXA, W5NFV, W5RQH.

The next meeting is planned to be at the control section of the Barksdale AFB, on April 22nd. The group will have a dinner at the Brookshire Cafeteria in Shreve City, located on the Shreveport Barksdale Blvd., in Shreveport at 7PM, and then go across the river to the AFB. The program was planned by W5LMS a former FAA member. QCWA visitors are welcome!

The Shreveport Chapter on-the-air meet is every Saturday AM, 8 o'clock 3942!!

- Irv - W5RQH -

Ted Koranye, W2SFW, sends in a sample QSL card Design for general QCWA use. It with several others are being held for study.

It isn't everyday that we have the chance to print good and happy news with a picture, such as this....

QCWA Favorite, Col. Nat, K4OL and his bride, Syd, were married February 8, 1980 and are pictured at right.

Nat's a lucky guy and Syd is lucky too. All of us in QCWA send them wishes for great happiness!



CLARENCE SEID, CURATOR FOR QCWA MUSEUM, AT Middletown, NY., says that he has plenty of room for a gift of old-time radio gear from you...If you have something that is of historical value, contact Clarence, W2KW. You can write to him at:

Clarence Seid, W2KW

Radio Hill, Rte 2

Middletown, NY 10940

Ed Metz, W3LI, wrote that he enjoyed the QCWA NEWS, and especially the pictures of the old rigs. We've a lot of them this issue, and we enjoy them too.

Ed has held his call since 1920, when it was 3LI. He lives in Philadelphia, and attends the meetings of the Delaware-Valley Chapter of QCWA. He has been awarded his Golden 60-Year Certificate!



## YANKEE CHAPTER NEWS



Our Christmas Party was held December 8, at the home of Onie, WIZEN & Woody, WIRCJ. 33 Members & guests were present on a sunny, windy, cold December day. The buffet table groaned under the weight of all kind of goodies, from Hors d'Ouvres to desserts. The gift exchange was a barrel of fun, enjoyed by all. Our Xmas tree was decorated with all hand-made ornaments and each person took home one ornament as a favor. In New England, the weather makes a Christmas party an "iffy" thing. We were lucky to weather was favorable and our first Christmas Party was a Huge success.

Arnie W1V0V      Wes W4COW      Bob W1OGT      Woody WIRCJ  
Blanche W4GXZ      Marg W1V0S      June W1VXC      Onie WIZEN

Husband & Wife teams shown above got mixed up a bit, but are identified by the lines.

At right, L-R, with husbands standing behind their Gals are: Norm, W1HX and Tish, W1N0D; Bud, W1KEK and Millie, W1SVN; and Harold, W1EES and Gladys, W1VFF

Yankee Chapter, with 107 members, is most proud of eleven couples with both Husband and Wife as QCWA members. We think this must be a record. We tried to get pix of all, but two are missing...Walt, W1Y0C & Norma, W1UBM; and Jack, W1IM and Ruthe, W1SCS. We wish we could have gotten them too.



At left are, Gordon, W1KUL and his Lady Eunice, W1UKR.

And, at right, the Century Kids, Ken, K4RO and Eunice, W1MPP



## Evergreen Chapter

From Evergreen, not much news at this time...Chapter President, Al W7ENQ, is in for surgery and expected to be active again soon..

We have gained 5 new members already in 1980...W7WCW, WA7VWI, W7WXM, AD7N and W7ZLI. Our second annual Spring Meeting is set up for May 24, at the Northshore Motor Hotel in Coeur D'Alene, ID and visiting QCWA members are always welcome.

Activity in the CW QSO Party was good, and enjoyed by all!

--Bob, W7BMK--

## Ft. Wayne Chapter

On January 15, Officers for the Ft. Wayne Chapter met to plan for the Spring meeting. Five members were in attendance. The meeting will be held at Heritage House, Ft. Wayne, on May 8th. We will meet at 6:30PM with dinner to follow at 7:00PM. The program is to be presented by a representative of the Indiana and Michigan Power Company.

All QCWA members in the area are invited to attend!

George Kasdorf, W9FSA

## CORRECTION

Elmer Wirsing, W2ANF, wrote to advise that the caption for the pix that appeared on Page 85 (Fall QCWA NEWS) is incorrect. Those appearing should have been identified as:

L-R, Harry M. Harvey, W2BKW; Joseph Battaglia, W2CPA; Howard Maguire, W2AAO and Elmer Wirsing, W2ANF. The picture was taken by George Fuller, W2BSH!

I don't know why the mixup, but probably due to our penchant for mixing every thing up. We apologize.

-Ed-

## LONG ISLAND CHAPTER: QUARTER CENTURY WIRELESS ASSOCIATION, INC.

On Friday, February 8, the Long Island Chapter of QCWA had it's first dinner meeting of 1980 at the Coral House Restaurant, Baldwin Long Island. Some 55 Ladies and Gentlemen were present for a delicious dinner!

Frank Bruce as Chairman ran the session as only W TWO Quack Quack Duck can do it. The guest speakers were Carl Lindenman, W2TDQ and Art Bernstein, N2KA. These two enterprising hams handled over 13,000 QSOs on SSB and CW from a variety of Greek Mediterranean Islands in the summer, 1979. With a beautiful slide show lasting about fifty minutes, there was no question that it had been a most enjoyable DX'pedition. A number of slides showing beautiful observers of their efforts while dressed in bikini outfits made the group wonder how they could concentrate on DX. It was a fantastic show and highly enjoyable, and our thanks to them!

The next "Happy Hour" and dinner is planned for early April, at the same location.

--Bob Scruggs, W2FRX--

## CENTRAL VIRGINIA CHAPTER No. 116

A Year-end report from the Central Virginia Chapter, No. 116 was certainly in order!

The Chapter held it's Christmas meeting on Saturday, Dec. 15, 1979, which was attended by seven members and 3 wives.. It was disappointing not have larger attendance, but a good time was had by all. Those attending were: Bill Uzzell, W2BNX and xYL; Fred Fraley, AA4FF; John Bush, W4FOD and xYL N4BVP; George Rulfs, Jr., AA4GR and xYL; Ev Vatcher, K4CQ; Ed Martin, W4OBB, and Marv Tweedy, N4BTQ.

The next luncheon meeting was scheduled for March 15, at 12:30 PM, and again on Saturday, June 21, 1980, at Sambo's Restaurant on Fort Avenue, Lynchburg, VA.

At this writing we have 21 dues-paying members with several QCWA applications in the works.

--George, AA4GR--

This issue of QCWA NEWS has been assembled with the help of Barney Moffatt, W5CJZ, who spent much time working on assembling the pages of material for the printer!



## ISRAEL CHAPTER

QCWA's newest Chapter is our third International Chapter! The first was the Sydney, Australia, then the German Chapter, and now, in the Holy Land, ISRAEL CHAPTER, No. 124! Welcome to our 4X4 friends!



Formation of the Chapter was made easier by the fortunate circumstance of QCWA Prexy, Harry Gartsman, and Joe Bonnett W5III, meeting in Tel Aviv. These fellows were able to explain the procedures for setting up a new Chapter, and with their help, all went well.

At left, L-R, are Harry, W6ATC, QCWA President visiting with Ozzy Osrin, 4X4CW following a discussion of ways and means of getting the Chapter underway.

Following the discussions held, a formal application for a Chapter Charter in QCWA was prepared and tendered. There were 13 licensed Israel amateurs signing the Charter, all of whom were listed in callbooks at headquarters where eligibility was established and Charter #124 issued on the last day of January, 1980.

We are fortunate indeed that our new members are bi-lingual, but it doesn't work both ways...the word Radio in the picture, followed by the 'pny' is interesting - all we need is a translation! Could they be call-letters?

In the Picture at right, at one of the planning sessions, are: Harry Gartsman, W6ATC, with Joe Bonnett, W5III and Jack Itzchaki, 4X4AH, at a sidewalk cafe on Dizengoff Circle in Tel Aviv.

Those who signed the Charter Application were:

4X4AH, Tel Aviv; 4X4AS, Rehovoth; 4X4AT, Holon;  
4X4AU, Kfar Shmaryahu; 4X4BL, Ramat David;  
4X4BO, Tel Aviv; 4X4BR, Haifa; 4X4BX, Petach  
Tiqvah; 4X4CK, Givatayim; 4X4CL, Rehovoth;  
4X4CW, Kfar Shmaryahu; 4X4CX, Petach Tiqvah;  
4X4DK, Rehovoth.

It is expected that the Charter will be open for additional members for a short time. QCWA Board Officials will be requested to ratify the Charter at their Spring, 1980 meeting to be held at Dayton, Ohio. Mailing costs to members will be kept at a minimum by making a single shipment with local distribution. Joe, W5III, is making those arrangements.

Ozzie, 4X4CW, operates on 14215 kHz and can be heard readily in Dallas at 8AM CST, long path!



At left, are Jack Itzchaki, 4X4AH and his Lady, Zvia in attendance at a monthly club meeting at Tel Aviv.



THE ISRAEL CHAPTER IS QCWA's ONE-HUNDRED TWENTY-FOURTH CHARTERED CHAPTER. IT IS ALSO THE THIRD INTERNATIONAL CHAPTER.

GETTING A CHAPTER UNDERWAY, AS A WORKING ORGANIZATION IS DIFFICULT, EVEN WHEN IN THE UNITED STATES, AS MANY CAN ATTEST... HOW MUCH MORE SO, WHEN IT TAKES A WEEK TO GET MAIL, AND WRITING AND LANGUAGE IS A PROBLEM!

MUCH OF THE DIFFICULTY WAS EASED BY THE EFFORTS OF JOE BONNETT, W5III and HARRY GARTSMAN, W6ATC...BUT, ORGANIZATIONAL & SCHEDULING PROBLEMS WERE HANDLED, AS ALWAYS, BY THOSE WORKING ON THE SCENE. WE SEND OUR CONGRATULATIONS!

-Ed-

FOR INFORMATION ON QCWA DUES, SEE PAGE 29, BOTTOM CENTER OF THE PAGE! CHECK YOUR MAILING LABEL RIGHT NOW!



SAN ANTONIO CHAPTER

Frances Bruemmer, W5KQG, Secretary of the Chapter, provided pictures below:



Above, L-R, are, Roy Albright, N5RA and Ray Wangler W5EDZ. Roy is Past Director, West Gulf Division, ARRL, while Ray is the present Director! Both are members of San Antonio Chapter QCWA and dedicated Hams in every sense of the word!



Shown above are the new Officers of the Chapter... L-R:

Louis Kocurek, W5VIV, President  
Johnny Bruemmer, W5LVE, Treasurer  
Frances Bruemmer, W5KQG, Secretary  
Dan Delay, W3DUI, Vice President

Louis is holding the Chapter Charter. The January meeting featured a talk by Ray Wangler on non-ionizing radiation.

----- Frances, W5KQG -----

READING CHAPTER

From Steward Ringler, W3EYN, came the following: "Want to let you know the READING CHAPTER is still active. The Chapter held it's annual Christmas Party December 15, at the Village Diner, in Douglasville, PA. 39 members and guests were attending. We also took in two new members; Edward DeFreese, WB3KCD and Stanley Kerber, W8OF.

After our usual cocktail hour, we sat down to a Country Ham and Roast Beef dinner which was really enjoyed by all. The highlight of the evening was Movies shown of Reading, going back nearly 100 years, which was really enjoyed by we old-timers. The Party ended with the opening of Christmas gifts.

Again, as always, it was a fine get-together with a very nice group of people."

It was good to hear from you and the gang, Stewart.....just need it a little more often. Best wishes to all.

-----Ed-----

Pat Maneval, W3EU, wrote to us in answer to our question of..."Where did the name Wapwallopen, PA, come from."

Pat advises that many Pennsylvania names are Indian in origin, listing the following examples:

WAPWALLOPEN - translated to mean;  
"Where the White Hemp grows."  
SHICKSHINNY - translated to mean;  
"Five Hills Meet."  
CATAWISSA - means; "Grassy Plains."  
NESCOPECK - means; "Black, deep and still."  
MOCANAQUA - means; "Little Bear Tribe."

Wapwallopen was settled early in the 1700's and was part of the Penns Woods territory. The Shawnee Indians and the Mocanocks and Susquehannocks all camped nearby.

Early settlement, were crude cabins located around the Council Cup, 400 feet above the town, where the tribes had their councils. A beautiful view to the west, where on a clear day one can see Bloomsburg.

If one looked across the river to the north, the atomic power plant scheduled to go on the line in 1982, can be seen. Such is the way of progress..! From campfire to atomic power in less than 300 years!

----- Pat, W3EU -----

From Port Richey, FL, came a beautiful set of pictures from Cliff Noel, K4BLI. Since there were several, we have chosen one, shown at the right.

This beautiful homemade wooden tower was built in Cliff's backyard. It blew over twice, but it was always repaired and re-erected.

The tower was:

92 feet high,  
4 inches wide at  
top and bottom  
48 inches wide at  
the center.

It supported a 850' flat-top antenna that terminated at a 46' mast. The feedline was 133 feet long with 6" spacers.

Later, a 4-section 8JK vertical was erected on the tower.

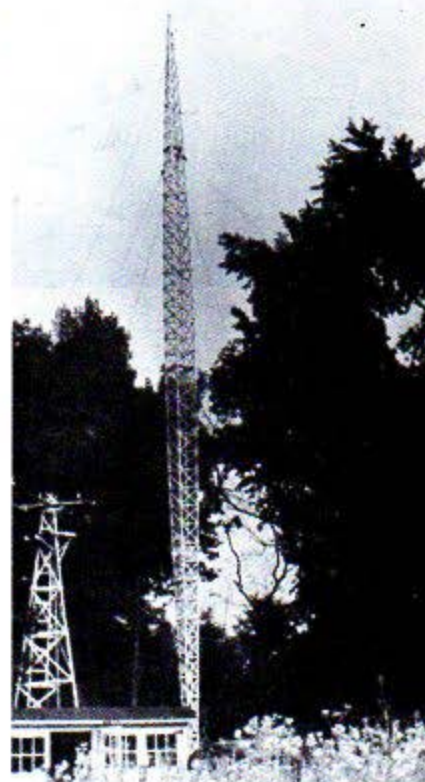
The short tower atop the garage was for a cage beam!

It was located at 4077 West 157th Str, in Cleveland, OH., 1943!

Thanks for sharing with us Cliff.

-----Ed-----

LOOK TO QCWA NEWS FOR WEATHER FORECASTING.....For those of you who have forgotten....Lew Sieck, K4NE, wrote of SYZYGY in the Winter QCWA NEWS, 1979, of the conjunction of Planets due to maximize about 1980....The storms in California..the unusual winters, snows in Texas, and who knows what else... and the evidence is in every evening sky - in the east each evening Jupiter and Mars are doing a beautiful dance around each other, while in the west Venus hangs her lantern in the sky! Thanks, Lew, for a beautiful and timely story! W5EJ





Supplement to QST for October 1919 (Vol. III, No. 3)

# BAN OFF!

## THE JOB IS DONE, AND THE A.R.R.L. DID IT

See next QST for details

21700-49  
NAVY DEPARTMENT  
NAVAL COMMUNICATION SERVICE  
Office of the Director  
Washington, Sept. 26, 1919.

Sir:  
The Secretary of the Navy authorizes the announcement that, effective October 1, 1919, all restrictions on amateurs and amateur radio stations are removed. This applies to amateur stations, technical and experimental stations at schools and colleges, and to all other stations except those used for the purpose of transmitting or receiving commercial traffic of any character, including the business of the

owners of the stations. The restrictions on stations handling commercial traffic will remain in effect until the President proclaims that a state of peace exists.

Attention is invited to the fact that all licenses for transmitting stations have expired and that it will be necessary for the amateurs to apply to the Commissioner of Navigation, Department of Commerce, for new licenses. In so far as amateurs are concerned, radio resumes its pre-war status under the Department of Commerce.

Very respectfully,  
(Sgd) E. B. Woodworth,  
Commander, U. S. Navy,  
Assistant Director Naval Communications

At left is one of the truly historic Amateur Radio Documents.

The October, 1919 issue of QST had been printed when out of the blue, word came from Washington that Amateur restrictions that had been imposed since April 1, 1917, were lifted. QST was sent out with a hand-bill insert. Here printed in part....ARRL took full credit, and they had full right to do so. The battle had been tough, and had nearly been lost! Without ARRL fighting it is most probable that there would have been no post-WW-I amateur radio!

It is interesting to contemplate - the excitement of the future fathers of Amateur Radio upon receiving the news....these men were: K. B. Warner; H. P. Maxim, C. D. Tuska and others.... Let us quote directly....KBW talking, "After throwing everything within reach at the office boy, and finishing off by jamming the wastebasket down over his head, we grabbed the telephone and told the printer to make room for an emergency sheet to go into every QST, and that we would pound something out immediately & be over in ten minutes. Talk about impulse excitation! To realize that we could call up and holler QRT and QRM and do all of the other things that we had been longing to do since April, 1917, made it difficult to focus properly."

They were young and thrilled to death and proud of ARRL! We are their heirs!

WSEJ

### MICHIGAN CHAPTER QCWA

It's finally settled. The Annual meeting will be at Midland, that City 800 feet above an awesome bed of salt, that place where ancient seas did shrink and dry and at the command of a wizard, DOW, turned into snow white gold (chemically speaking).

But more: On that same Saturday, June 21, the Midland Swap & Shop takes place. Some of us figure sell a bushel and a peck, thereby clearing 25% and moving backwards!

NCS Ed (W8CAM) sez, "With QCWA Sunday Morning net running 50 average and 60 P.E.P., plan big!" Prez Leo, (W8CYP) and V.P., Joe, (W8PVB) urging "extra chairs". Banquet Chairman, Don, (W8WOJ) sez, "5PM at Paddy's Pub." Bring your X-yl for another good one!

-Vern, W8MX-



In the picture above, the Yankee Chapter stand for a real chilly Christmas Picture, taken December 8, 1980. Photo by June Burkett, W1VNC

### CHICAGO "SECOND WORLD" PROGRAM UNDER WAY

In the last issue of QCWA News, the Chicago Area Chapter reported on an attempt to involve many members who were unable to attend the popular quarterly dinner meetings. It is often difficult for some members, due to their being unable to drive at night, having family obligations during the time or finding costs of the dinner meetings greater than they cared to incur. A later questionnaire which was not available at the last issue, showed that more than thirty members were interested in these activities.

Acting on this information, the Chapter has begun an attempt to provide a program that will involve these members. Most prominent of the several items, has been activation of the local CW net. This is conducted Wednesday afternoons on forty meters and Saturday nights on eighty. Conducted by two old-timers of the group, Earl Linder, W9DEG, & Fred Hinds, W9WR, this net has generated a large amount of local interest. It has also increased interest in other activities, such as contests and QSO Parties. Although primarily a Chicago Area net, all QCWA members are invited to participate.

Present acceptance indicates that our attempts to involve more members in our activities is successful.

Paul Crum, W9LC

Charles Hackenyos, W3CQA, sent in a story and pictures of his rig in 1925/26. The Transmitter was a WE-50 watter. Charles used a slop-jar rectifier at first, then Anrad 8 tubes..when the 50-watter went west, it was replaced with a 210. Phone operation was with loop modulation and a telephone mike.... accompanied by several good nose-burns!



Charles is one the air now with a TS-520 and makes the Sunday afternoon QCWA nets occasionally!



EVERGLADES CHAPTER QCWA

The Everglades Chapter elected Officers for the 1980 Year. Those elected were:

Mark Devaney, K4IDC, Chairman  
 Bill Kennedy, W2AS, Vice-Chairman  
 Lou Schreiner, W2ENU, Secretary  
 Roy McCarty, W9KA, Treasurer  
 Ted Stern, K4YY, Director

The Secretary/Treasurer Office was split to distribute the clerical effort. Lou Schreiner, W2ENU, remains as Secretary and Roy McCarty W9KA our 1979 Chairman takes over the money matters! We are proud that Mark Devaney, a past Director and Treasurer of QCWA National, in an active Chapter office.



Officers were sworn in by Wray Gillette. Shown above, are the past Chairmen, L-R: Irv Weston, K4NA, 1974; Wray Gillette, K4HA, 1975; Ed Stolzenberger, WB4ODL, 1976; Joe Trahan, W4UCL, 1978; Roy McCarty W9KA, 1979 and, our new Chairman, Mark Devaney, K4IDC, 1980.

The Chapter regularly meets at the Sweden House on Federal Highway in Fort Lauderdale for a smorgasbord lunch at 11:30AM on the last Saturday of each month. Visitors are Welcome!

Our old friend, Art Jablonsky, W0BK, & his Lady, Alena, W0MRJ, have recently been inducted into QCWA. Art retired as Chief Engineer, Radio KXOK only a short time back and has been actively treasure hunting since then...can you believe, in City Parks, etc...& doing very well.

Tex Sloat, W7AHK, sent a few words to bring us up to date on things in the beautiful southwest part of Washington, near Mt. St. Helens...Tex plans on going to the AWA this year! Write as often as you can, Tex.

Charles Weir, W6UA, wrote with a comment on the QSO PARTY. In his opinion you can't have it both ways - either it must be a contest with Awards, or a Party and no Awards!

He feels that if it is a contest then multipliers are needed for the purpose of increasing interest, and handicapping!

Dallas Chapter reported that it's member, John P. Camp, W5HS, passed away late in February. Jack was a Charter member of the Chapter!

Mark Devaney, K4IDC, recently took Office as President of Everglades, FL Chapter of QCWA....Mark, in his acceptance speech said: "In 1966 I became eligible for membership in QCWA. In 1968 I was elected National treasurer of QCWA and a Director. Now that can be considered starting at the top. In 1977 I retired from these positions & for the past two years have just been an ordinary member of QCWA. Now that I have been elected Chapter President I know what it is to start at the bottom and work up."

Mark Devaney served QCWA long and well and it is good that he's now back in the saddle. A dedicated QCWAer is a hard guy to hold down. Congrats to a great guy!

-Ed-

Tom Cornett, W8MC, wrote to tell us of his opinion regarding the re-issue of Chapter Numbers. He felt it wrong to re-assign Chapter numbers, feeling historical accuracy is preferable to shifting numbers around. It was Tom's opinion that a QCWA member ought to be a licensed amateur!

SPACEPORT CHAPTER

The March meeting of Spaceport Chapter will be held at Holiday House in beautiful Downtown Titusville, March 8...

Guest speaker will be State Senator, John Vogt, a member of Ways and Means Committee, who will discuss taxes in general and with emphasis on tax referendum matters which will appear on the ballot at the March 11, primary.

- Walt, W4JXI -

CITRUS CHAPTER

The 1980 National QCWA Convention to be held in Orlando was the prime discussion at the Orlando Hamfest QCWA Luncheon held at the Sheraton Twin Towers Jan 5. We were addressed by the Citrus Chapter National Convention Committee Chairman, Chalmers Stromberg, W4NLX. Not only is Chalmers a Past Chairman of Citrus, but he played a large part in the overwhelming success of the National Convention in Orlando several years ago. The Florida Council of QCWA, with representatives from each of the 14 chapters in Florida, will be instrumental in arranging the program material, etc. A meeting of the Florida Council is planned for March.

The 1980 National Convention will be held October 31, Nov. 1 & 2, at the Howard Johnson Hotel at the intersection of I-4 & the Florida Turnpike, south south of the city. Rooms will be \$34 & \$44, and the entry fee nominal. You are urged to get your reservations from the hotel at the earliest, so we can uphold our commitments to the hotel. Buses will be available at the hotel for transportation to the airport, Disney World, Sea World, etc. A shlospitality Room will be set up for those with dry throats, where the secrets of QCWA may be discussed privately.

Another QCWA FIRST...Citrus plans to have a repeater on the air in time for the Convention. Our Chairman, Keith Street, G3DKS, holds an auction of used equipment at each Citrus meeting for the repeater fund. Our Convention Chairman W4NLX, is providing us with a 300 foot tower and antenna...we are well on our way. The repeater will be on 147.325 in, 147.225 out.

The CW QSO part was great. We worked some 30 QCWAers, with at least 25 saying they would be in Orlando in November. Several remarked how nice it would be if the party lasted a week, but only between the hours of 10A and 10P, how about that? In Florida the QCWA Net is very popular and doing well. We meet at 1:30 PM each Wednesday at 7035. No spick Fone and CBer type QRM, just 20 over sigs all around....join us!!

- Bill Waldo, W4PI -



## 520 YEARS IN AMATEUR RADIO

A Quarter Century Wireless Association Chapter has been formed in Highlands County. The Charter members of the Chapter are:

A. J. Buchheit, W8NBU, 45 Yrs; Charles Champayne, K4YWK, 42 Yrs; P. C. Jerry Combs, W4BMT, 31 Yrs; Leo M. Conner, W3GUP, 57 Yrs; Robert E. Frye, K4HNU, 44 Yrs; William R. Huff, W8IXG, 28 Yrs; James F. Jones, N4XV, 57 Yrs; Edward W. Mayhew, W4ZYX, 25 Yrs; Joseph F. McKay, W4QL, 56 Yrs; Ernestine McMasters, W4KOH, 45 Yrs; Phil A. McMasters, W4BCZ, 47 Yrs; Karl V. Resttstatt, W4HO, 56 Yrs; K. N. Rundlett, K4ZA, 56 Yrs. They are pictured below:



James F. Jones was elected President, Edward W. Mayhew is Vice President, and Leo M. Conner is Secretary-Treasurer. Meetings of the Chapter will be held on the first Wednesday of each month at 9 AM. Meetings are held at the Jolly Fifer Restaurant in Lake Placid, FL.

The Highlands County Chapter was formed November 13, 1979, and has the official Chapter Number 121.

-Ed-

## NORTHERN LIGHTS CHAPTER

The Chapter, on November 11, 1977, announced approval of a Certificate to be issued, serially, to those who were able to prove radio contact with at least three Chapter members.

In July, 1978, Dick Fox, W7EFS received #1; Paul Gerbracht, W3QPP received #2; Carl Rumberger, W3AAQ received #3; Ken Lloyd, W3QN was issued #4; Sig Stacey, W3MMJ nailed down a #5; Andy Clark, KL7AHB, living in Paris, Texas, took #6; Ben Crowder, WB5PLD got #7; and Dave Combs, W5VJW #8. The last, #8, was issued January 16, 1980.

Hal Devoe, KL7MF, leaving for Hawaii on the 15th of Feb. is going to try for QCWA contacts via his 210X, using a dipole in the Palm Trees...and hopes to get Northern Lights Certificate #9!

John Trent, KL7DG is heading for Japan (Feb 22) to present his QRP CW GOLD PAN award to Asob Mori, JF2BBF, who made 9 contacts with John in 1979. While in Japan he will visit Torah Yagi, JH1WIX. John slipped on the ice and had to have seven stitches in the back of his skull...he was very lucid the next day, so guess he was OK

Ed Holmes, KL7HFX is also going to Japan the first of March to visit with Japanese Ham clubs and schools. He is taking some of our Northern Lights Chapter Awards to show them.... SHOW & TELL?

The World Championship Dog Sled races start on February 15, and finish on Sunday the 17th. Sunday is also the end of the ten-day 1980 Fur Rendezvous. The Gold auction this year was not as big as usual, not many wanted to pay prices quoted...the Fur Auction was also smaller due to Czar Cecil Andrus closing off a lot of the historical trapping lines!

- Mac, KL7AVX

WITH THE END OF 1979, SEVERAL HUNDRED QCWA MEMBERS DUES EXPIRED. MANY TOOK ADVANTAGE OF THE SPECIAL OFFER, PERMITTING THEM TO RENEW, AT THE OLD RATE, BY DECEMBER 31, 1979. THERE ARE STILL A LARGE NUMBER WHOSE DUES HAVE EXPIRED. LOOK AT YOUR MAILING LABEL - IF IT SAYS DEC79 THEN YOUR DUEZDU! SEE P29!

Visited with Herb and Elizabeth Hollister, W8DRD, in Boulder, CO in December. Both are well and busy, as usual. Herb, who underwent corneal implant surgery recently, reported that he placed 5th, nation-wide, in the small bore rifle competition held at Camp Perry, during August, 1979.

Herb is interested in operating with low power, and suggests all amateur operation be limited to approximately 100 watts, DC. He is successfully working the world with a 7-watt rig!

Mae Rauvola, W8EKL, wrote a wonderful letter with news of her activities. She is a "CW" operator, licensed for 30 years and active in assisting novice operators in getting acquainted with amateur work. She has taught many CW classes during the past few years, in the Canton, OH area..

-WSEJ-

## MISSISSIPPI GULF COAST CHAPTER

At the December meeting of the Chapter, the following members were voted into office for the year, 1980:

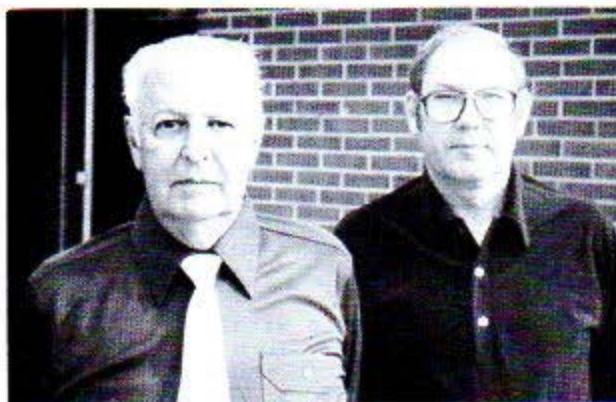
Joe Butler, K5OS, President  
David W. Rego, W5YRX, Vice Pres.  
Marion L. Hill W85VEL, Secretary  
David H. Wainwright, W5TCB, Trea.

Installation of the new officers is to take place during January.

-Joe, K5OS-

## CHATTANOOGA CHAPTER

The Chattanooga Chapter, No. 115, met January 9, 1980. The outgoing President, Herbert Horton, W4BND, called for election of Officers and nominated Charles E. Curle, AD4F, for President and Ward Buhrman, W4QT, for Secretary-Treasurer. These members were elected to office by acclamation by those in attendance.



Pictured above, L-R, are: Ward Buhrman, W4QT & Charles Curle, AD4F, the new Officers!

It was decided that annual dues of \$3 would be effective as of January 1, 1980. Plans were made to have meetings every two months. Emphasis at this time is on contacting all hams in the area who are eligible for QCWA membership and application forms were given to visitors who were eligible for membership!

-Ward, W4QT-





Bob Ehrler, W2AG, was recently issued the QCWA Golden Certificate for 50 years of Continuously licensed Amateur operation. His first call was W2CTO.

Bob, shown above, in 1934 & his rig below, using a 7 MHz xtal & an Eimac 50T in the final! Note the Burgess "B" batteries used for bias!

The receiver was a Comet Pro --we thank Bob for sharing his pictures with us!

W5EJ



Last December, we offered congratulations to a number of QCWA Members who had been elected to responsible positions in Amateur organizations. In doing so, we inadvertently omitted the name of a friend and if you think we didn't get some mail about it!

Belatedly, but sincerely, we'd like to congratulate the Amateur Radiomen who elected

Larry Price, W4RA, as

Director, ARRL, SE Division, to represent them and all of us in this important position! -W5EJ

#### DOGWOOD CHAPTER

The first breakfast, in 1980 was held at Grandma's House, in Ocean Park, hosted by our President, Max Green, VE7DE and his Lady Irene. Forty-two of us had a real good mornings breakfast, with much chatter & enjoyment.

The Chapter held it's Christmas Party on Friday, December 15th, 1979, a smorgasbord, with forty present enjoying themselves. Our Ladies Activity Committee, Alice Sibson, the boss, laying on an active programme, with the lucky ones receiving real nice gifts in the way of door prizes.

Lots of activities planned for 1980!

-Ernie, VE7FB-

#### QCWA SILENT KEY MEMORIAL SCHOLARSHIP

The QCWA SILENT KEY MEMORIAL SCHOLARSHIP will be offered again this year with the Award being increased to \$900. The Board has recommended that preference be given to a Graduate student. This is only a "Preference", however, and final selection will take all factors into consideration. Spread the word and help us find some good candidates for the Award. Also, remember that the Foundation for Amateur Radio, which administers the QCWA Scholarship, offers six other Scholarships and our Candidates can be considered for any of them if they can qualify with the requirements for the individual Awards. Candidates for the Silent Key Memorial Scholarship must hold an Amateur License of General Class, or higher and must be sponsored by a member of QCWA. Application forms may be obtained from the Foundation between May 1 and June 1, 1980. An address for obtaining forms will appear in all Amateur Publications in April.

WHILE WE ARE ON THE SUBJECT OF SCHOLARSHIPS..... QCWA IS HOPING TO BUILD A SELF SUSTAINING TRUST TO PROVIDE FOR THE ANNUAL SCHOLARSHIPS AND, HOPEFULLY TO PERMIT LARGER AWARDS IN THE FUTURE. IF EVERY MEMBER WOULD DONATE A SINGLE DOLLAR TO THE FUND WE COULD GUARANTEE THAT GOAL. A FEW LARGER DONATIONS AND BEQUESTS COULD FINANCE A FULL SCHOLARSHIP EACH YEAR. IF YOU CAN WON'T YOU HELP? SEND YOUR DONATION TODAY. MAKE CHECK PAYABLE TO THE QCWA SCHOLARSHIP FUND....IT'S TAX DEDUCTABLE. MAIL TO:

QCWA, Inc.  
1409 Cooper Drive  
Irving, TX 75061

Beginning with the Summer QCWA NEWS, we'll publish the total amount received for this fine project!

#### SILENT KEYS

W1HJJ	CLAYTON F. SENNEFF	W6BJ	F. DEAN BURNETT
W2BO	M. A. MCINTIRE	K6BX	CLIFTON EVANS, JR.
W2CJJ	GEORGE L. BOSE	KH6DA	HAROLD E. WARREN
W2EC	FERD C. W. THIEDE	W6FBW	E. J. AMARANTES
W2HU	A. B. JONES	WA6KWD	DONALD A. YETTER
W2MWJ	SCHUYLER BROCKWAY	K6PB	LAURISTON C. MARSHALL
W2RUF	CLARA REGER	W6VER	JOHN B. NAUGLE, JR.
W2UG	HAROLD M. ESKIN	W6YRJ	HARRY A. YOUNG
		W6ZV	E. C. S. LEAVENWORTH
K3CB	HOMER J. ELLIS	W7GND	CHARLES L. BARKER
W3CDL	JOHN H. PIRTLE	W7GXI	MARJORIE A. FRAZIER
W3GD	IVAN H. LOUCKS	W7MES	CLARENCE D. SHERBUNDY
W3KQH	LUTHER B. GROVE	W7OKV	RALPH L. HARRIS
W3QMD	JOSEPH T. MOORE	W8GYJ	GEORGE A. WILSON
W3QW	WILLIAM I. TAYLOR	W8NJP	R. Z. MAJESKE
K4AIZ	J. FRANK WISE	W8OYW	A. R. MUELLER
W4BGR	L. W. BLAKSLEE, JR.	W8TXZ	ARTHUR LUDLOW
W4GHR	JOHN W. SOEHL	W9AEV	LEO P. DEVINE
W4HIH	GLENN HATCHER	W9KQB	GEORGE P. WOIDA
K4HXP	ERNEST L. SAILOR	W9RC	M. W. MCRAE
W4OW	CLARENCE E. KOONTZ	W9RZO	GEORGE W. JACOBS
W4SO	C. S. MILLER	W9UAQ	AL COX
W4SRG	ARTHUR M. LAPLANT	W0CVN	PAUL W. MARK
K4YC	ELMER E. ENKE	W0KFA	CLAIR R. MILLER
W4YLR	RUSS CONROW	K0ZJY	ROY F. WALIN
W4ZL	RICHARD L. SMITH	KP4CB	PAUL A. GIRARD
W5BSR	VIC CANFIELD	VK4MY	DUD C. McDONALD
W5BUF	SIL THOMPSON	VK6JW	JACK C. WATSON
W5HQN	WILLIAM H. BLAIR		
W5IBX	CLARENCE D. NORTEN		
W5RZE	IRWIN R. CARROLL		



- ★ Technical Forums
- ★ ARRL and FCC Forums
- ★ GIANT 3-Day Flea Market
- ★ New Products and Exhibits
- ★ Grand Banquet
- ★ Women's Activities
- ★ Special Group Meetings
- ★ Hundreds of Prizes
- ★ CW Proficiency Tests
- ★ Amateur of Year Award
- ★ Special Achievement Awards
- ★ Expanded Exhibits and Parking

# DAYTON HAMVENTION '80

**April 25, 26, 27, 1980**

**Hara Arena and Exhibition Center Dayton, Ohio**

Meet your amateur radio friends from all over the world at the internationally famous Dayton HAMVENTION.

Banquet speaker Saturday evening will be Senator Barry M. Goldwater, K7UGA. Seating will be limited so please make reservations early.

If you have registered within the last 3 years you will receive a brochure in late February. If not write Box 44, Dayton, OH 45401.

Nominations are requested for Radio Amateur of the Year and Special Achievement Awards. Nomination forms are available from Awards Chairman, Box 44, Dayton, OH 45401.

For special motel rates and reservations write to Hamvention Housing, 1980 Winters Tower, Dayton, OH 45423. **NO RESERVATIONS WILL BE ACCEPTED BY TELEPHONE.**

All other inquiries write Box 44, Dayton, OH 45401 or phone (513) 296-1165 — 5-10 P.M. EST.

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#### **Rates for ALL 3 Days:**

**Admission:** \$5 in advance, \$6 at door.  
**Flea Market Space:** \$11 in advance, \$13 at gate.  
**Banquet:** \$12 in advance, \$14 at door.

Make checks payable to Dayton HAMVENTION, Box 333, Dayton, OH 45405.

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**Bring your family and enjoy a great weekend in Dayton.**

Sponsored by the Dayton Amateur Radio Association, Inc.



## CINDY'S CHATTER

Another year has passed...a year in which we saw many changes. The world became a little smaller as we made new contacts, participated in emergencies, operated field day, handled hospital traffic, and last, but not least, just "chewed the rag," getting to know our fellow ham a little better. Amateur radio is about the only hobby where a lady is judged by her abilities and accepted without regard to her gender. She does not puch for ERA, but exercises her desire to contribute to the technical, the traditions and promote International Goodwill that this wonderful hobby affords to all of us.

Have you had the joy of working Ruth Gieske, W5IZL? Every YL is special, but this one is very special. Ruth was awarded the QCWA GOLDEN CERTIFICATE in 1978! She has now been on the air 52 years! She holds a 35 wpm Certificate, is an A-1 Operator, has Public Service Awards....Mercy! Ruth has taught code in the local high-school, served as WAC Recruiter, YLRL District Chairman, and has made many other contributions to her community and to our hobby. Ruth became interested in radio in 1928. Her OM used the call 5ANQ...her voice and good CW sending was known to many. Later she used her son's call, W5FYZ. Ruth held an operators license long before applying for her own call. Ruth and Ernie (her son) have kept CW skeds on 40 meters for over 45 yrs. They were in contact when Hawaii was bombed. They realized that would be their last contact for the duration, and set about to do their part for our Country. Ruth confides to me that because of radio she has met and known many talented people from various fields, and because of this, her life has been one of joy and complete fulfillment.

W5ANQ became a Silent Key in 1955. In 1960 Ruth met Al Gieske, W3SG...They decided to share the same transmitter, were married and Ruth brought him to Texas where his call became W5WS. Al too, had a Golden Certificate. He became a Silent Key in 1974.

Ruth Gieske is a very exception Lady! She is proud of her family, proud of her hobby, and proud of her community. Electra, Texas is her home, and that City is proud of her. Over the years she has been given recognition and received many honors for her contributions to mankind through radio. We Salute you, Ruth, W5IZL!

While scanning the bands I heard one "old timer" say he wore out two tablets trying to get a YL to come to Texas and marry him! Another one said he offered a YL three coows and the master of the pasture if she would come to Texas and marry him...She sent him a picture...He sold those four animals and left the air for six months....Mercy! The first liar doesn't stand a chance!

Happy operating and "yaw!" keep those cards and letters coming.....

CINDY, W5ZPD



Ruth, W5IZL

## WISCONSIN CHAPTER

On December 5th, the Milwaukee Radio Amateurs' Club held its annual "Old Timers' Nite" dinner at the Pabst banquet hall in Milwaukee. The Club is celebrating the 60th anniversary of its founding, making it the oldest active radio club in the U.S.

125 members and guests attended with plenty of gemütlichkeit, both liquid and solid! Many of MRAC old-timers are long-time members of QCWA. 30 were in attendance that evening. Two of the original founding members of the club were with us, and received a standing ovation.

The Club was fortunate to have as guests, Mr. & Mrs. John Huntoon, W1EW, from ARRL; Don Miller, our Division Director and his Assistant, Ken Ebner, K9EN. John addressed the group, giving an excellent report on the WARC in Geneva, and included a background resume' on the effort put into preparation for it by ARRL.

Herb Berg, W9CAS (9CHL) is rounding up historical documents for the Chapters files. The Chapter is preparing a roster of member's amateur activity in preparation for an expected flurry of applications for the QCWA Golden Certificate!

- Fred, W9NZF-

CLEVELAND CHAPTER on-the-air meetings are held every Wednesday evening at 8:30PM EST, on 28.625 MHz with W8EPW as regular NCS, with K8RTT & K8BB as alternates. Everyone is welcome to checkin and are invited to participate.

## COLORADO CHAPTER NEWS

Colorado's winter meeting was held Wednesday, February 13th at the Western Sizzlin Steak House, Aurora, CO. Forty-six members, wives and guests enjoyed an excellent meal and good conversation. Carl Smith, W8SKJ, gave a very interesting slide presentation, with comments, on the recently concluded WARC, in Geneva.

Jim Haynes, W8OVL, has been in the hospital for surgery. At this writing he is home, doing well. Orville Johnson, W8ON is recovering from a heart attack, is at home and doing OK. Best wishes for speedy recovery to both of you from all of our Chapter members (from Headquarters too!).

Yardley Beers, W8JF, received his 50-Year Golden Certificate from President Sol Abramowitz, W8WSK, at the February 9th breakfast meeting. Congratulations to Yardley!

Stu Edmonds, W8GW, and Roden Rogers, W8NNI, have been taking advantage of really wonderful snow this year for skiing in the Rockies....so far, no crutches!

One of Chapter President Sol's goals during the year of his office is to achieve a paid membership of at least 100. Through his efforts in arranging interesting activities and entertaining programs, the Chapter now has 89 paid, active members, and we are still growing. The way things are going, it looks like he will make his goal this year!

There has been a good deal of discussion about a Chapter picnic possibly as an annual affair. The way winter has remained in full swing in Colorado this year, it is kind of fun to imagine a warm, summer day with all good QCWA members enjoying the sunshine, good company, and refreshments!

- Lu, W8ZJ -



## NEW QCWA MEMBERS

11-27-79 13,592 Jerry Murray W5KUP  
 13,593 C. R. Gebhardt W6GRW  
 13,594 Robert L. Falk W6YCG  
 13,595 Edward J. Malmstrom W7LUP  
 13,596 Earl M. Coit W8MIB  
 13,597 John R. Truitt W9LQL  
 13,598 Lawrence P. Flavin W3CV  
 13,599 Franklin B. Love K4PDA  
 11-28-79 13,600 Grace C. Swenson W1RLQ  
 13,601 Les Wolgast K87DK  
 13,602 J. Robert DeBrugga W1RT  
 11-30-79 13,603 David L. Katzer K4QA  
 13,604 Joseph M. Romeiko W7KZB  
 13,605 George V. Paul W82TQ  
 13,606 Ernie W. Wendt W8LUV  
 13,607 Arthur L. Peters, Jr. W8SFJ  
 13,608 Julian R. Bankston W5EDQ  
 13,609 Barbara M. Corey W4HYV  
 12-03-79 13,610 Vern A. Milton W6EPK  
 13,611 Robert J. Reeves W9HSN  
 13,612 Akio Shimizu AA5K  
 13,613 Robert A. Sperry W6MNA  
 13,614 Donald V. Brumwell VE7KA  
 13,615 Kenneth M. Pfeiffer W3AEN  
 13,616 Louis I. Hutton K7YZZ  
 12-04-79 13,617 Robert B. Coats N6NZ  
 13,618 Larry French W5TYH  
 13,619 Carleton H. Gray W4ACM  
 13,620 Eugene R. Northup W9OZY  
 13,621 Robert P. Blum N8BCG  
 13,622 Joe M. Simpkins W6UL  
 13,623 Robert W. Berthrom W7TNL  
 13,624 Martin M. Newcomer WD4IZD  
 13,625 Marcel E. Vincent W2KYM  
 12-05-79 13,626 John D. Burch W3JBU  
 13,627 Arthur E. Schermerhorn W8FEC  
 13,628 George L. McInnis K4AEC  
 12-06-79 13,629 Laurens F. Barker W4GIS  
 13,630 W. W. Rule W4MBN  
 13,631 Lester L. Whitehead W5HKN  
 13,632 Donald F. Phillips W4PEL  
 13,633 Ed Wilson W7WCW  
 12-14-79 13,634 C. C. Anderson W4HCY  
 13,635 William A. Duff W3AMF  
 13,636 Burton A. Foote W7LQX  
 13,637 Hubert A. Myers K6BKU  
 13,638 Arthur J. Wardrep W4CGW  
 12-15-79 13,639 John Eric Lindell W6YCY  
 13,640 A. M. Curry N4BOO  
 13,641 Wm. Slocum St. Romain W5UNQ  
 13,642 Powell Krueger W6WY  
 13,643 George Ayers W6FXV  
 13,644 Richard N. Strayer W6QKY  
 13,645 Ginger Sherman W7H2G  
 13,646 Hugh Bial W6AIX  
 13,647 Gerald E. Schultz W6FLM  
 13,648 John A. Dinter K6JJA  
 13,649 Bryson L. Lowman W4TTH  
 12-17-79 13,650 John L. Gifford W5SYB  
 13,651 John C. Cashion W5ATK  
 13,652 Wilfred H. Conley W8CZR  
 13,653 Harold F. Potter K7RQ  
 13,654 H. Grady Withers, Jr. K4BEC  
 13,655 Tony Smaker K17AF  
 13,656 Edward F. Stuka W4QAU  
 13,657 James H. Sayer VP9BY  
 13,658 Frank L. Swaim W3IMJ  
 13,659 Jerome J. Butcher W5FCG  
 12-18-79 13,660 Kurt Lorenz DJ1DI  
 13,661 Robert P. Trauterman W3YEV  
 13,662 Ernest C. Burch W5CAE  
 13,663 Cecil D. Cliburn K4AQO  
 13,664 M. B. Elton K7DA  
 13,665 Milton C. Willis W8CPB  
 13,666 Robert N. Johnson W2TTW  
 13,667 James H. Gordon W4PTJ

Dallas, TX  
 New Brighton, MN  
 Omaha, NE  
 Omak, WA  
 Kent, OH  
 LaGrange, IL  
 Butler, PA  
 Alexandria, VA  
 Morningdale, MA  
 Salem, OR  
 Westerly, RI  
 Marietta, GA  
 Troy, MT  
 Ravenna, OH  
 Minneapolis, MN  
 Dunedin, FL  
 Salisbury, MD  
 Crestview, FL  
 San Diego, CA  
 Greencastle, IN  
 Bellevue, WA  
 Cedar Rapids, IA  
 Victoria, BC  
 Indiana, PA  
 Bellevue, WA  
 Costa Mesa, CA  
 Tyler, TX  
 Alexandria, VA  
 Roselle, IL  
 Bucyrus, OH  
 Thousand Oaks, CA  
 Grand Coulee, WA  
 Miami, FL  
 Youngstown, NY  
 Crofton, MD  
 Malvern, OH  
 Sharpsburg, GA  
 East Point, GA  
 Blowing Rock, NC  
 Vicksburg, MS  
 Coral Springs, FL  
 Ellensburg, WA  
 Jacksonville, FL  
 Holland, PA  
 Ellensburg, WA  
 Los Angeles, CA  
 Concord, TN  
 Port Neches, TX  
 Englewood, FL  
 Chalmette, LA  
 Maple Grove, MN  
 St. Joseph, MO  
 Wheatridge, CO  
 Whitefish, MT  
 Mingo, IA  
 Waukon, IA  
 Marion, IA  
 Columbia, SC  
 Amarillo, TX  
 Amarillo, TX  
 Van Wert, OH  
 Canby, OR  
 Salisbury, NC  
 Kodiak, AK  
 Huntsville, AL  
 Devonshire, Bermuda  
 Damascus, MD  
 Lafayette, LA  
 Munster, FRG  
 Ford City, PA  
 Lindale, TX  
 Ft. Walton Beach, FL  
 Portland, OR  
 Sarasota, FL  
 Jamestown, NY  
 Clearwater, FL

### NEBRASKA CHAPTER #25 OF QCWA

The Chapter will hold a Spring meeting at the Kearney Hamfest Scheduled for March 29-30th in Kearney. A solicitation for new members is actively underway by all members. Two new Life members, Dick, W0YZV and John, W0YDV, are welcomed to our ranks. Dick, W0YZV, joined QCWA on the 25th anniversary date of his amateur license. Applications for QCWA membership and for affiliation with the Nebraska Chapter for six others are in the works. Leo, W0GFQ, and Bob, W0UQJ, our Chapter Secretary, obtained QCWA membership for an old friend Randy, N7CKE, while in the Las Vegas area. Plans are in the making for our Nebraska Chapter & the new Iowa Lee de Forest Chapter No. 125, to enjoy a joint meeting in Des Moines on May 17th, at which time it is anticipated that President Harry Gartsman, W6ATC, will formally welcome the new Iowa Chapter. Art, W0FQB is getting along quite well at home recovering from his illness. John, W0UFD RAN A phone patch to the weekly 3980 kHz meeting of the Chapter for Art at which time he sounded good, and reminded us to "keep our wheels down."

- Bob, W0UQJ.-

Cliff McCloud, W0AZT, shown below, using his suitcase rig as VP2K from St. Kitts in the Leeward Islands...Nov., 1979!

Cliff has 250 countries confirmed, and expects to be in the Cayman Islands in May, 1980 at the ZFIWE location. Cliff will be using his own call there. He expected to be in Surinam in February!



### NORTH TEXAS CHAPTER

Ray Carlisle, W5JOG, wrote aporingly, that the Chapter is growing, altho a little slowly. The on-the-air meetings are well attended, and everyone within distance is invited to check-in.

Meetings are held Saturday mornings, at 8:30AM on 3945 kHz.

The Chapter extends best wishes to all, for 1980!



# SUNCOAST CHAPTER

The Suncoast Chapter met January 19th, at the Windjammer Restaurant, Sarasota with 138 in attendance.

Announcement was made of formation of QCWA Chapter 120, by Blanche Randles, W4GXZ, and Onie Woodward, WIZEN. Cathy Soehl, W4BAV, is a Charter Member!

Eb Long, K4GEN, Chapter Chairman, introduced the speaker, Ted Ewing, State Representative, who spoke on the special session called by Gov. Graham for bills on tax assessments. Bud Waite, W2ZK, was welcomed as a new member... Bud made 11 expeditions with Admiral Byrd, and was one of three who had a part in rescuing Byrd when he was isolated at the South Pole, with no communications.

In the picture below, L-R, are: Chm. Eb Long presenting awards to:

Vic Gomez, W4DN, Century Club  
Corby Pratt, K4WV, Golden Certificate  
Ozzie Osborn, 25 Year Certificate.

Seated, at far left, Ted Ewing, State Representative, and Ellen Long, YF of K4AMG.



The Chapter was saddened by the report of Wally Blakeslee, W4BGR, Chapter Sty listing Elmer Enke, K4YC, & Frank Wise KA4AIZ, as silent key members.

- Ed, W4POO -

# CLEVELAND CHAPTER

The Cleveland Chapter, No. 1, meets on the air each Wednesday at 8:30PM, EST on 28.625 MHz. A meeting of Officers and Directors is scheduled for Friday, February 29, and is a business meeting to make plans for future events. The Spring semi-annual banquet is scheduled for the first or second Saturday in May.

Present Chapter Officers are:

George Riehl, W8NJF, President

Fred Collins, W8ADW, Vice Pres.

Charles Lohner, W8RN, Secretary

NCS, W8EFW, Paul Cornell

The Chapter has indicated that a good nomination for QCWA HALL OF FAME might be Mike Bakos, W8LY!

- Chuck, W8RN -

12-19-79

12-31-79

01-01-80

01-02-80

01-03-80

13,668	Erv Clark	W7RDO
13,669	Harold L. Anderson	W3YLI
13,670	Jesse A. Maynard	W4NKS
13,671	Paul L. Hacker	W7OCR
13,672	J. Clark Campbell	VE3KSQ
13,673	Marguerite M. Bourell	W6LND
13,674	David Poore	W7TPD
13,675	H. William Bundlie	W6ATK
13,676	Benford Rhodes	W4RKW
13,677	Ralston B. Gober	W5ZNN
13,678	Byford L. Cook	W5GXE
13,679	D. A. Kent	W0GM
13,680	Hart W. York	N6CDQ
13,681	Robert J. Harrison	K2ICQ
13,682	Francis G. Sainsbury	N2FS
13,683	Max C. De Henseler	HB9RS
13,684	James C. Bennett	K0IEI
13,685	Pete Ohlson	W5LVM
13,686	George Thompson	K3SMN
13,687	Robert E. Armstrong	W8KMU
13,688	Tom Lamb	K8ERV
13,689	Arthur Brown	VK2IK
13,690	Edward W. Frisbee	WD4OMF
13,691	Milton N. Reed	W8NJ
13,692	Evan Rempe	W7KAQ
13,693	Albert V. Bradley	W7JKB
13,694	Travis McKee	KA5FZF
13,695	Moe Iverson	VE3KUK
13,696	Carl Benson Presler, Jr.	W4LPL
13,697	Harry Randolph	W8EEF
13,698	Nell Beatrice Coil	W0MSW
13,699	Joseph P. Shimmers	W7VH
13,700	Evan Woodrow Barton	W9IOE
13,701	Francis D. Shepard	W7HAH
13,702	Dennis G. Eksten	W9SS
13,703	George A. Ralston	W4ET
13,704	J. V. Cardullo	K4JMY
13,705	Robert W. Paul	W8CMO
13,706	Not issued	
13,707	Not issued	
13,708	Wendell S. Chapman	W6VIF
13,709	Edward G. Williams	VE3WA
13,710	Jack W. Strangleman	VE3GV
13,711	Robert H. Williams	W5AXO
13,712	Louis J. Weber	K6GHU
13,713	Irma W. Weber	K6KCI
13,714	Karl H. Kalbfleisch	W1YXB
13,715	Ilpo Toivonen	W3TUI
13,716	Lester L. Gates	W0BSR
13,717	Richard F. Taylor	N4CE
13,718	Marvin F. Hash	W7YHS
13,719	Carl Stephens	W8EKZ
13,720	James E. Vieira	W2PJP
13,721	Horace A. Murray	W0VXN
13,722	Vern L. Petersen	W0OJD
13,723	Richard E. Whitaker	W0MJW
13,724	Barbie Dodero	WB6IZB
13,725	Brian P. Robson-Garth	ZS5OV
13,726	Clarence H. Moser	W3RLJ
13,727	Ken D. copeland	K5KD
13,728	Hillary H. Osborn, Jr.	K4DYB
13,729	Doris J. Bedford (Dot)	K4AOH
13,730	Leslie D. Gregg	W9IU
13,731	Marvin E. Leisy	W7QR
13,732	Atlee S. Hart	W8VR
13,733	Wm. Patrick Mahoney	W0SBVA
13,734	Joseph P. Brischler	N2BFT
13,735	Michael A. Jakobek	W0YZH
13,736	Kay D. Davis	K6HIT
13,737	Hellmuth Kleemeier	DJ2XT
13,738	Carl S. Zelich	AA4MI
13,739	David R. Fraser	KH6BIH
13,740	Gary Liljgren	W0SH
13,741	John R. Golden	W2IRG
13,742	Owen L. Godwin, Jr.	WA4YOS
13,743	Alan C. Merrill	W1FYR
13,744	Warren Unterkircher	W8WU
13,745	Jerry Watson	W4DGP

Billings, MT
Erie, PA
Huntsville, AL
Boise, ID
London, Ontario
San Diego, CA
Billings, MT
San Jose, CA
Jacksonville, NC
Corsicana, TX
Corsicana, TX
De Witt, IA
Fontana, CA
De Witt, NY
Lake Katrine, NY
New York, NY
West Branch, IA
Dallas, TX
Shreveport, LA
Shelby, OH
Mansfield, OH
Epping, New South Wales
Hollywood, FL
Crestline, OH
Newberg, OR
Boise, ID
Houma, LA
Windsor, Ontario
Fayetteville, NC
Euclid, OH
St Paul, MN
Seattle, WA
Ellenton, FL
Marion, MT
Loves Park, IL
Port Charlotte FL
Miami, FL
Akron, OH

Arcadia, CA
Scarborough, Ontario
London, Ontario
Fort Worth, TX
Thousand Oaks, CA
Thousand Oaks, CA
Guilford, CT
Vero Beach, FL
Carlisle, IA
Tucker, GA
Billings, MT
Lawton, MI
Erie, PA
Davenport, IA
Davenport, IA
Davenport, IA
San Diego, CA
Natal, South Africa
Erie, PA
Little Rock, AR
Ellenton, FL
Greenville, SC
Kokomo, IN
Auburn, WA
Farmington Hills, MI
Austin, TX
Lake Ronkonkoma, NY
Watertown, MN
Las Vegas, NV
Saarbrücken, FRG
Merritt Island, FL
Captain Cook, HI
Des Moines, IA
Pittsford, NY
Tampa, FL
Fitzwilliam, NH
Bronson, MI
TaYlors, SC



	13,746	Robert V. Yates, SR	K4CNK	Sumter, SC
	13,747	Rudi Tomse	YU2QZ	Pula, Yugoslavia
01-04-80	13,748	Robert W. Arant	W0GOT	Omaha, NE
	13,749	Dick L. Eilers	W0YZV	Omaha, NE
	13,750	Donald E. Christensen	W6DZM	Santa Rosa, CA
	13,751	Lars F. Williamson	W6RMY	Mill Valley, CA
	13,752	G. David Germeyer	W3BJG	Dillsburg, PA
	13,753	Donald Simmonds	K5BDX	Fort Worth, TX
	13,754	Ken Blanton	W5CBT	Amarillo, TX
	13,755	Edgar O. Fisher	W8PQZ	Kettering, OH
	13,756	William J. Hord	W4WIJ	Fort Walton Beach, FL
	13,757	Milton R. Graham	VE3QN	Whitby, Ontario
	13,758	Larry K. Nichols	W0VBG	Overland Park, KS
	13,759	Jack Overton	W5VNX	Beaver, OK
01-05-80	13,760	Barry Thompson	K6G0	Redondo Beach, CA
12-15-79	13,761	Paul Lokcinski	W8IVH	Columbus, OH
01-05-80	13,762	Richard D. Corson	W6GLDW	Los Altos, CA
	13,763	John Oros,	W8ZXP	Novelty, OH
01-15-80	13,764	Alena May Jablonsky	W0MRJ	St. Louis, MO
	13,765	Arthur A. Jablonsky	W0BBK	St. Louis, MO
01-16-80	13,766	Robert E. Lydiard	W7NBB	Cascade, MT
01-18-80	13,767	Louis H. Bauer	W2SEV	New Hartford, NY
	13,768	Robert F. Nosek	W6PJO	Ukiah, CA
	13,769	Donald G. Hedderick	W3TMK	Erie, PA
	13,770	Ralph W. Parkinson,	W3QJ	Dunedin, FL
	13,771	Stuart W. Bowers	K4KFL	Brooksville, FL
01-19-80	13,772	John W. Hathaway	W1CAN	Littleton, MA
	13,773	Duane U. Farris	W5SHN	San Antonio, TX
	13,774	Henry Schneider	W5HNS	Pasadena, TX
01-21-80	13,775	L. C. Emerson	W4ITJ	Oak Ridge, TN
	13,776	Edward A. Nies, Sr.	K3ABG	Erie, PA
	13,777	George M. Reaser, III	W8MDG	Lebanon, OH
	13,778	A. L. Williamson	W8JVD	Lancaster, OH
	13,779	George Huling	K5GH	Garland, TX
	13,780	Richard E. Williams	W3PJQ	Parkesburg, PA
	13,781	Jan Williams	N2AE	Buffalo, NY
	13,782	Joseph E. Sheinman	W2BHK	Haddon Hts., NJ
	13,783	John W. Marks, Jr	KK4P	Charlotte, NC
01-22-80	13,784	Robert Hayes McNeil II	W4MBD	Columbia, SC
	13,785	Dorothy M. Urband (Dot)	W8FJU	Lake Placid, FL
	13,786	Jack L. Armstrong	K6QFG	Los Angeles, CA
	13,787	Robert Dean	W6YGU	Crockett, CA
	13,788	Chester H. Anderson	K6AVQ	Northridge, CA
	13,789	John Wyatt Hawkins	W4MEP	Cleveland, TN
	13,790	Nikki Boyd	K5ADQ	Los Alamos, NM
01-23-80	13,791	George R. Wessner	K4POL	Clearwater, FL
	13,792	John R. White	W5IOF	Baton Rouge, LA
	13,793	Charles S. Blake	K2LRL	Tonawanda, NY
	13,794	George R. Dennis	K4DSK	West Columbia, SC
	13,795	Rainer Kaehlig	DJ22M	Arzberg, FRG
	13,796	Hans Kreuzer	DL1AN	Hofheim-Lorsbach, FRG
	13,797	Al Smith	W0PEX	Sioux City, IA
	13,798	Willard C. Chinn	N4ANZ	Miami Shores, FL
	13,799	Rick Brandenberg	K0CNS	O'Fallon, MO
	13,800	James G. Grimsby	W9HRF	Belvidere, IL
	2,384	Lawrence F. Wanja	W5IS	Dallas, TX
	13,801	Mark C. Michel	W9OP	Menasha, WI
	13,802	John D. Alley	W1DMD	Raynham, MA
12-17-79	13,803	P. C. Jerry Combs	W4BMT	Avon Park, FL
01-24-80	13,804	Akitoshi Katoh	JA3BY	Wakayama City, Japan
	13,805	Paul Jenkins	W4UIQ	Rossville, GA
	13,806	R. Dale Green	K4RDC	Sierra Vista, AZ
	13,807	George H. Peirce	W2UGH	Hendersonville, NC
	13,808	Charles L. Jobes	W1HVA	Hendersonville, NC
01-25-80	13,809	Jesse H. Stiles	W2NJJ	Smithtown, NY
	13,810	Frederick R. Burns	W2KWW	New Milford, NJ
	13,811	Edmund A. Popp	K5BOT	Austin, TX
	13,812	Bill Rohrer	W7IJ	El Paso, TX
	13,813	Michael E. Theriot	W5JRG	Baton Rouge, LA
	13,814	Dick Saunders	W6MJO	Oceanside, CA
01-25-80	13,815	Ernest M. Simon	W8EVH	Minneapolis, MN
	13,816	Elliott M. Pisor	K6ILM	Oakland, CA
	13,817	Charles F. Erlandsen	K4HPV	Hendersonville, NC
01-29-80	13,818	Robert D. Nagle	W7MDN	Port Orford, OR
	13,819	Robert C. Goshorn	W8ANS	Akron, OH
	13,820	Arnold W. Sayre	W8WVM	Buckhannon, WV
	13,821	Midge M. Rommel	K6BUS	Carson, CA
	13,822	Robert A. J. Gildea	W1ZFI	Arlington, MA

W. F. Bill Jackson, W8EGF, notified us of this change of address, from Michigan to Phoenix, AZ. Bill's XYL is in poor health and so Bill isn't able to get around much for visiting, but gets on the air a great deal!

Paul Hartman, K4FAF, Secretary-Treasurer of Palmetto State Chapter sent a line with comments on QCWA NEWS, and other matters...mentioned that Art, W4BK, checked into the net recently! Palmetto has a program on to get many of the members checking into NETS as often as possible...you'll hear them every Sunday afternoon on 21445!

THE FOUNDATION FOR AMATEUR RADIO has announced establishment of a new memorial Scholarship honoring Ed, W4ZM..

Amateurs and others are requested to make donations in any amount to help establish a sustaining fund to insure that the Scholarship is maintained... Write to:

The Foundation for Amateur Radio  
Ed Redington Scholarship Fund  
c/o Mr. Kenneth L. Joseph, W4SIG  
9416 Hermosa Drive  
Fairfax, VA 22030

#### ROADRUNNER CHAPTER

The Roadrunner Chapter met December 12, 1979, at Wyatt's with 45 members & guests present. New Members Jim Drake W5EF and Helen Drake, K5ECP, were welcomed.

1980 Officers elected were:

Hank Wilchek, W0WE, President  
Bob Scussel, W5KGN, Vice President  
Sam Leslie, W5AG, Scty/Treasurer  
Einar Morterud, W5FPB, Director

A program, presented by Ernest W. Kersten, K5ECO, featuring a beautiful slide presentation on the Tutankamun treasures, with commentary, was enjoyed by all in attendance.

Hugh Winter, W5HD

IF YOU ARE LOOKING FOR ADVENTURE there is a sure place to go.....

A group of intrepid Amateurs are planning on a radio expedition.. one to end all..to the Northpole where they plan on setting up to operate at least 5 bands for at least 3 to 4 days.

It is not a fools dream....there are experts in polar expeditions to direct the affair and, it is not inexpensive. There were few places available for added members...if you want a real adventure, contact:

Wheeler Adventures,  
PO Box 43569  
Las Vegas, CA 89104

702 736 3560



# DALLAS CHAPTER

Dallas Chapter met February 2nd, for its regular monthly meeting. President Rollie Terrill, W5RC, following a short business meeting, introduced QCWA Activities Manager, Wes Randles, W4COW, who spoke on the QSO Party, and more up-coming QCWA events. Wes is pictured below.



Les Edmonds, W5G00, was presented with his 50-Year Golden Certificate by Ted Heithecker, W5EJ. We believe you'll agree, Les, shown below, is too young to have been licensed W9GIM in the 1929 book!



The program for the day featured Joe Bonnett, W5III, narrating a fine slide presentation on Israel showing many of the famous landmarks known to most of us only by name. It was greatly enjoyed.

Pictures were taken by Luther Pully, W5JIZ.

----- W5EJ -----

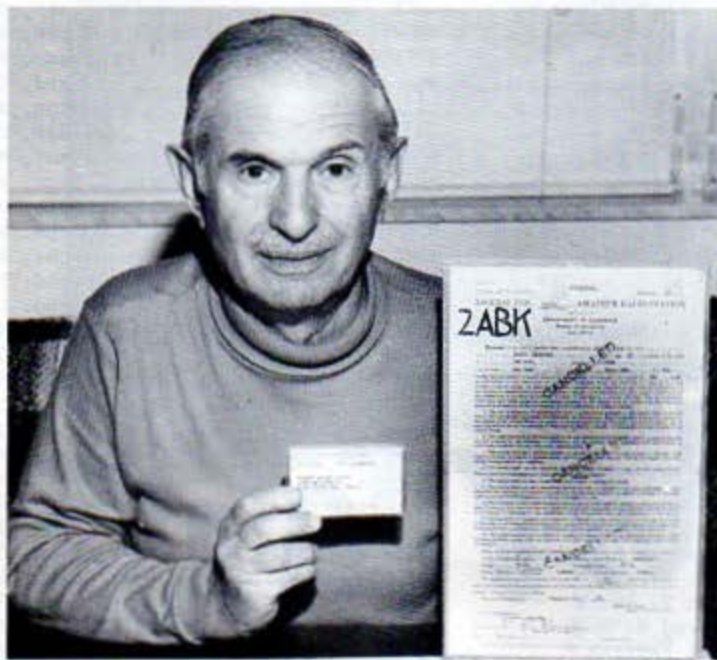
Henry Pattee, W5POH, Secty of the Razorback Chapter wrote that the Chapter membership has increased to 56 active members, and effort is being made by he and W5KL, to get all hands interested in the activities. We often hear Sid, W5UAU, checking in on the QCWA Sunday afternoon net, and hope a few more will take time to make an appearance whenever possible!

	13,825	Caatherine H. Dunlap	W4OMH	Brooksville, FL
	13,824	Floyd H. Dunlap	W4OMG	Brooksville, FL
01-30-80	13,825	John B. Johnston	W3BE	Derwood, MD
02-01-80	13,826	Joseph F. Poges	W1EED	Wakefield, MA
02-05-80	13,827	Melvin C. LaMoreaux	W8VZB	Euclid, OH
	13,828	Virgil K. Lewis	W2NXW	St. Petersburg, FL
	13,829	George S. Hansley	W8SVW	Dayton, OH
	13,830	William J. Follette	KA2HIW	Cresskill, NJ
	13,831	James J. Balliet	W3BBS	Leighton, PA
	13,832	Rene R. Repasky	W0LDI	Denver, CO
	13,833	John Gilbert	VE3DXL	Ottawa, Ontario
	13,834	James M. Wright	K5CDT	San Antonio, TX
	13,835	Joseph P. Meyash	W3WIV	Huntington, PA
02-06-80	13,836	Clifford E. Seale	K4HQH	Miami, FL
	13,837	Robert D. La Rue, Sr.	W0DZB	Brighton, CO
	13,838	Dan M. Pederson	W7WXM	Renton, WA
	13,839	Paul A. Hecker	W3P2C	Darlington, PA
	13,840	M. Robert Gosnell	W9GBC	Lawrenceville, IL
	13,841	Murray L. Wykes	W5NXD	Weir, TX
	13,842	Glenn R. Moltrup	W3BPA	Hyattsville, MD
	13,843	Albert A. D'Aurelio	W8WKY	Barberton, OH
	13,844	Vaughn W. Rice	W8VOI	Rock Cave, WV
	13,845	John K. Helmbold	K6INM	Bishop, CA
	13,846	George P. Bonham	K0BKH	Aurora, CO
	13,847	G. Edward Allebach	KA8ARI	Cleveland Heights, OH
	13,848	Jack G. Webb	W0GVV	Cottage Grove, MN
	13,849	Milton Warnock	N4SN	Manassas, VA
	13,850	Roy W. Fontes (Bill)	W6TEX	Hayward, CA
02-07-80	13,851	Louis E. Kastelich	W5LAF	Canton, MS
	13,852	Richard S. MacDonald	AD0J	Boulder, CO
	13,853	Robert A. Gille	W0UGY	St. Paul, MN
	13,854	Jim Stinson	W0MFI	Sauk Rapids, MN
	13,855	Carl E. Smith	N4AA	Asheville, NC
	13,856	David E. Colfer	W7CNC	Sparks, NV
	13,857	John E. Walter	W5VGC	Albuquerque, NM
	13,858	Albert P. Lahndt	K4EPU	Englewood, FL
	13,859	Milton C. Bardwell	W5BAV	Hammond, LA
	13,860	Ken C. Barroll	W7OP	Seattle, WA
	13,861	Thomas J. Wilson	WB7AEF	Hermiston, OR
	13,862	R. M. Gibbs (Rudy)	W4HX	Weaverville, NC
	13,863	Henry Tooley	W7QPS	St. Helen's, OR
	13,864	Gladys Y. Jones	W1FTA	Hampton, NH
	13,865	Merrill W. Roscoe, Jr.	W9UUC	Elmhurst, IL
	13,866	John W. Ferrel	W0YDV	Omaha, NE
	13,867	Joseph I. Volpe	AE1O	Weymouth, MA
	13,868	Lawrence E. Boellhoff	W4IMN	Toano, VA
	13,869	Lawrence E. Robbins	W3CEI	Middletown, PA
02-08-80	13,870	Bill Priakos	W5SJ	Fort Smith, AR
	13,871	John V. Smith	W4ACG	St. Petersburg, FL
	13,872	Alfred W. Maddock	K1DHC	Corpus Christi, TX
	13,873	Nick Ferrese	W3ZSV	New Castle, PA
	13,874	Richard C. Grant	W8TEU	Kettering, OH
	13,875	Joseph S. Blinick	K1JB	Cumberland Center, ME
	13,876	Richard A. Roper	KA5CVN	Kentwood, LA
	13,877	Henry R. Randall	K4EAR	Columbia, SC
	13,878	Robert E. Beckstein	K5QKY	Biloxi, MS
	13,879	John M. Westcott	K8DKG	Springfield, OH
	13,880	Robert Mitchell Wallace	W5HYK	Dallas, TX
	13,881	Robert J. Stilwell	K6HYO	Sacramento, CA
	13,882	John D. Birle	W8ELE	Galloway, OH
02-13-80	13,883	Ernst Manske	DL1PM	Seevetal, FRG
	13,884	Karl Stock	DJ3CQ	Karlsruhe, FRG
	13,885	Robert M. Hersch	K3EWX	Hillcrest Heights, MD
	13,886	Elwyn G. Lambert	W6CJC	Berkeley, CA
	13,887	Joel Hurwitz	W3Y2I	Owens Mills, MD
	13,888	Ron Stier	W9ICZ	Richmond, IN
	13,889	J. Edward Percy, Jr.	W5CWN	Baton Rouge, LA
	13,890	Ed Karagozian, Jr.	K6JGN	Newport Beach, CA
	13,891	Joseph F. Szabat	W3LST	Oil City, PA
	13,892	Benny Cobb	W5TWA	Phillips, TX
	13,893	John R. Hunt	W5DKK	Alexandria, VA
	13,894	Donald W. Harsin	K6D2T	Cambridge, CA
02-14-80	13,895	Robert O. Mayer	W9KLN	Milwaukee, WI
	13,896	Roger A. LeBlanc	W1NMB	Lantana, FL
	13,897	Gerhard S. Plessinger	W8GRP	Canton, OH
	13,898	G. J. Guthrie Nicholson	W1AYZ	Portsmouth, RI
	13,899	Glenn L. McIntosh	KA5FKO	Tulsa, OK
	13,900	William K. Stegner	W0ZMR	Kansas City, MO



	13,901	R. E. Drechsel	KK4S
	13,902	Joseph M. Plesich	W8DYF
	13,903	Fred Wahlquist	AA2P
02-15-80	13,904	Frank Grech	K2AD
	13,905	Atwood B. Loper	W3LFT
	13,906	George E. Kaiser	W2MSR
02-18-80	13,907	Bernice A. Hanrahan	W2UGY
	13,908	Lowell H. Harris	W9GL
	13,909	Richard C. Roberts	W1BDX
	13,910	Roger M. Higley	W8CRK
	13,911	Orval Wood	W6ASV
02-20-80	13,912	Raymond Leo Wageman	W0BWK
	13,913	Cyrus D. Samuelson	W2KPR
	13,914	Bertha Kenas	W3TNP
	13,915	Melvin Jacobson	W4GUH

Can you imagine his elation when Robert Hertzberg (145), recently discovered his original long-lost Ham license folded up in a dusty old book? Dated December 18, 1919, it showed his "Official Call" as 2-ABK. Carefully patched together it measured 9 x 14 inches and is quite imposing when placed next to Bob's current FCC ticket. He is now K4JBI and is active on the air and in local QCWA affairs.



Sol, W0NSK, President of the Colorado Chapter of QCWA, sent the pix below, of his rig and layout. Must have access to the rear for repairs and wiring. It is pretty slick, Sol!



Oriental, NC
Steubenville, OH
Linwood, NJ
Freehold, NJ
Beaver Falls, PA
Ramsey, NJ
Scotia, NY
South Bend, IN
Eliot, ME
Cincinnati, OH
Visalia, CA
Indianola, NE
Hackensack, NJ
Willow Grove, PA
St. Petersburg, FL

# CENTRAL VIRGINIA CHAPTER

Several members took part in the QSO CW Party. The Chapter will hold meetings on March 15 and on June 21, both are Saturdays. The meetings will be held at Sambo's Restaurant, on Fort Avenue in Lynchburg, at 12:30PM. We sure invite any QCWA members who are in the area to meet with us! We are hoping that gasoline won't hold down our efforts for some new members in outlying areas!

-----George, AA4GR-----

The year 1922 was one featuring great growth in radio broadcasting. Many stations were on the air with 1 watt, 5 watts, or whatever, some broadcasting for an hour a day. Literally hundreds failed and after a few months or a year or two, were not heard from again, but they were a part of the history of Radio. When we obtain valid records, we attempt to publish them, to renew the records that sometimes get lost. So, Christ Bauer, W9RF, from Sheboygan, WI, sent us a copy of the material below, taken from the Magazine RADIO BROADCAST. It was published November, 1922 by Doubleday, Page & Company. We thank Christ for sharing it!

## So Radio Broadcast

the Leaflet-Abu Zabal (Egypt) link of the chain.

### C. BRANDES, INC. ESTABLISHES CANADIAN FACTORY

ON JULY 4th, Mr. Frederick Dietrich and Mr. M. C. Rypinski, President and Vice-President, respectively, of C. Brandes, Inc.,

left New York City for Canada to establish a Canadian factory for the manufacture of Brandes headsets. The following day C. Brandes, Ltd. was incorporated at Ottawa, and a day later a factory was leased in Toronto, Ontario. Immediately upon the return of the Brandes officials to New York, the entire output of the Canadian plant was sold for the next six months.

## SUPPLEMENTAL LIST OF BROADCAST STATIONS IN THE UNITED STATES FROM AUGUST 11 TO SEPTEMBER 10 INCLUSIVE

CALL	OWNER OF STATION	LOCATION OF STATION	WAVE
NO.			LENGTH
KFAY	Virgin Milling Co., W. J.	Central Point, Ore.	350
KFB	Boise Radio Supply Co.	Boise, Idaho	350
KFBK	Kimbball-Lipson Co.	Sacramento, Calif.	350
KFL	Lewy Bros.	Yonkers, N. Y.	350
KFLM	Cook & Foster	Anniston, Ala.	350
KFBV	Burch Radio Corp.	Oakland, Cal.	350
KFBQ	Savage Elect. Co.	Prescott, Ariz.	350
KFCB	Nashville Radio Supply Co.	Phoenix, Arizona	350
KFCG	Auto Supply Co.	Wichita, Kan.	350
KFCO	Salem Elect. Co.	Salem, Oregon	350
KFDH	McKee, John D.	San Francisco, Cal.	350
WGAI	Southern Equipment Co.	San Antonio, Tex.	350
WGAX	Radio Plant Co.	Washington, D. C.	350
WGAH	Central Park Amusement Co.	Rockford, Ill.	350
WIAM	D. M. Perham	Cedar Rapids, Iowa	350
WIAJ	Union Trust Co.	Cleveland, Ohio	350
WIAZ	Chicago Radio Lab.	Chicago, Ill.	350
WIKG	Bruce, R. D., Edwin T.	Louisville, Ky.	350
WIAH	Planet Radio Co.	West Palm Beach, Fla.	350
WKAJ	Fargo Plumbing & Heating Co.	Fargo, N. D.	350
WKAH	Chickadee County News	Chickadee, Ohio	350
WKAH	Gray & Gray	Orange, Tex.	350
WKAH	Hastings Daily Tribune	Hastings, Neb.	350
WKAH	Alabama Radio Mfg. Co.	Montgomery, Ala.	350
WKAH	Flint, Duane Wilson	Grassie, N. J.	350
WKAH	Radio Corp. of Porto Rico	San Juan, P. R.	350
WKAH	McIntyre, George	East Lansing, Mich.	350
WKAH	Loon Music Co., L. F.	Springfield, Mo.	350
WKAH	Franklin Morning Times	Franklin, Ind.	350
WKAH	Lacoma Radio Club	Lacoma, N. H.	350
WKAH	Turner Cycle Co.	Reino, W. Va.	350
WKAH	Macfarlane, William A.	Bridgport, Conn.	350
WKAH	Brenau College	Gainesville, Ga.	350
WKAH	Landau's Music & Jewelry Co.	Wilkes-Barre, Pa.	350
WKAH	Grossman, George F.	Camden, Min.	350
WKAH	North Carolina State College	Raleigh, N. C.	350
WKAH	Johnson Radio Co.	Lynchburg, Va.	350
WKAH	Cutting & Washington Radio Corp.	Minneapolis, Minn.	350
WKAH	Woodworth, Samuel	Syracuse, N. Y.	350
WKAH	Vermont Farm Machine Co.	Bellevue Falls, Vt.	350
WKAH	Tulsa Radio Co.	Tulsa, Okla.	350
WKAH	Morrow Radio Co.	Springfield, Ohio	350
WKAH	Putnam Hardware Co.	Houston, Mo.	350
WKAH	Jordan, W. V.	Louisville, Ky.	350
WKAH	Shilling, A. E.	Kalamazoo, Mich.	350
WKAH	Marshall-Watson Co.	Marshalltown, Iowa	350
WKAH	Koch Co., Char. G.	Burlington, Iowa	350
WKAH	Radio Supply Co.	Oklahoma City, Okla.	350
WKAH	Page, F. Edward	Cincinnati, N. Y.	350
WKAH	Atchamman Country Mail	Rockport, Mo.	350
WKAH	Round Hill Radio Corp.	Dorchester, Mass.	350
WKAH	General Supply Co.	Lancaster, Neb.	350
WKAH	Davenport Telegram Co.	Kansas City, Mo.	350
WKAH	Beaumont Radio Equipment Co.	Beaumont, Tex.	350
WKAH	Shepard Service	Kansas, Mo.	350
WKAH	Rockwell, W. J.	Haute, Neb.	350

Long Island Chapter Program for its February meeting was to feature a story by two NYC bachelor school teachers decided to take a leisurely trip through the Greek Mediterranean islands. In the summer of 1979, using a 100 watt transceiver, they had over 13,000 QSO's on SSB & CW. The speakers for the program are Carl Lindenman, W2TDQ and Art Bernstein, N2KA...



# BARNEY'S ANTIQUE EXCHANGE

Managed by Barney Moffatt  
W5CJZ

5714 Trail Meadow Drive, Dallas, TX 75230

Quite a few QCWA Members are interested in the old-time stuff, and have suggested that we have a vehicle to permit QCWA members to swap parts, information, and to search for a special bit or part needed to restore, rebuild or go from scratch on old equipment....This is our answer.

Barney has volunteered to keep records, and to coordinate the whole schmeer. If you need six fahnestack clips, or a rheostat, or what have you, send your requirement to Barney. He'll see that it's published herein, and help in every possible way to see you get those needed items.. A few rules are necessary, more may be needed later:

- (1) List what you have (or need) clearly
- (2) List what you will accept in trade
- (3) List your asking price, if no trade
- (4) Answer all replies!
- (5) Only parts or equipment 30 years or more old, Please!
- (6) If you advertise in the exchange, please hold your items for sale/swap for exchange readers
- (7) List your name, call, QCWA No. & Telephone Number

The following abbreviations will help, if the response is large, since space will be premium:

WP = Will Pay; WT = Will take; MO = Make Offer; PP = Postage Paid

There is no cost to QCWA members, neither QCWA, its Officers, Board of Directors, manager or its agents assume responsibility for loss or misrepresentation to anyone.

To Start off, this is what we would expect it to look like!

Have two National Velvet Vernier dials, german-silver, good condx make offer

-W5EJ-

Have GR 247 capacitor, .0005 in good condx, swap for 2 - 3" black bakelite matched dials, no chips

-W5EJ-

Wanted, 4 - brown beehive insulators. WP \$1 + PP, or swap WE-211-E, with socket (1929 issue). -W5EJ-

Have 6 new plain top EBY binding posts, in box, WT \$0.75 each.

-W5EJ-

## EAST TENNESSEE CHAPTER



The East Tennessee Chapter met at the Green Valley Restaurant, in Pigeon Forge Tennessee, on November 17, 1979. There were 58 present, including new members and visitors.

Pictured at left, Dr. K. H. Morgan, W4WB is being presented with his Golden 50 Year Certificate. Following the presentation, Dr. Morgan gave a short speech on how he got started in Amateur Radio.

The Chapter then elected new Officers for the year 1980, who are:

Roaul Wright, K4EAJ,	President
Harry Mey, W4MZZ,	Vice President
Robert Embry, W4HHQ,	Secretary/Treasurer

In the picture at right, the Officers are shown, L-R: W4MZZ; K4EAJ and W4HHQ.



Tom Mitchell, W4OSU, of Ten-Tec, talked about the birth of Ten Tec., and also demonstrated the new voice read-out Freq meter. It was decided that we would add an additional Dinner meeting during the year and this would be at the Oak-Ridge Hamfest. The Next meeting will be near Knoxville, TN in early May.

- Bob, W4HHQ -

We have observed the TEN-TEC speaking frequency read-out device, developed by them, and sold at cost, to the blind Amateur operators. The instrument works, it is a marvel & TEN-TEC has made a real contribution to Amateur Radio and to those Blind operators who are now able to operate freely

-Ed-



**NIAGARA FRONTIER CHAPTER**



Pictured above, L-R are Bill Hope-W2EWT, Carl Maylott-W2YE receiving his 60-year Golden Certificate from President Ray Griswold.

We would also like to congratulate Joe Meyer, W2VW of Elmira having celebrated his 60th year as a licensed ham as well as Bruce Kelley, W2ICE, our Rochester Chapter Representative who celebrated his 50th Anniversary as a ham.

Our December election resulted in Ray Griswold, W2SD being re-elected as President and Bill Hope, W2EWT as Secretary-Treasurer. Carl Maylott, W2YE was elected as Vice-President. All officers will serve a 3-year term. Directors elected for a 2-year term are Bob House-W2JFE, Bob Johnson-W2WVC, Bill Kiefer-W2AQY and Elmer Odien-W2BHQ. Directors elected for a 1-year term are Hank Karawiecki-W2WCH, Ted Fodd-W2KX, Howey Seyse-W2KZ and Earl Westfall-W2JR.

It is with deep regret that we report the loss of a Charter Member of our Chapter, Clara Heger, W2HUF who was struck by a car on a shopping plaza parking lot while walking back to her car. She died 90 minutes later on the operating table. Clara was 82 at the time of her death and was one of our most active and energetic hams. She was well-known for her high-speed traffic-handling ability on the New York state and local nets on 80 meters. She transmitted several code class sessions a week on "80" for the Novice and General Class licenses as well as teaching a code class once a month at "RAWNY" club meetings. Clara was instrumental in helping innumerable would-be-hams to get their licenses.

Only 10 days before her untimely death, Clara, W2HUF and Ray, W2RN answered the distress call of our Chapter Pres. W2SD, whose wife, Emme was in a critical condition having had a heart-stoppage as a result of shock from a broken hip. She was in urgent need of blood. W2HUF and W2RN quickly put out requests for blood for the Red Cross on all local, county and state traffic nets. Clara reported that the response was immediate and terrific as many gave blood to the Red Cross in "Emme's" name. It makes one feel very proud to be a Ham. Emme is still in a critical condition at this time and needs our prayers.

Our deepest sympathy goes to Bob Johnson, W2WVC whose mother passed away in December.

Frank, W2RKI has been in cardiac care since early December. Joan, W2CJA has had an operation recently and reports Okay.

We are very pleased to welcome two new members into our Chapter, Marcel Vincent, W2KYM of Youngstown and Jan Williams, N2AE (ex-K2PLT) of Buffalo.

Bill - W2EWT

CLARENCE SEID, W2KN, who has held every office in QCWA sent a note indicating that there was considerable interest in formation of a QCWA Chapter in the Virgin Islands. Materials have been sent to help make it come true.

**MEMBER**



# ARNS HELP

Those Chapters which regularly publish a newsletter know the value of communicating with members. QCWA Chapter members are often widely dispersed, making it difficult to get all members together at meetings.

Helping clubs get a newsletter started or improving the one they have is the principal aim of the Amateur Radio New Service. New members receive The Club Paper, a manual covering all phases from choosing an Editor to finally putting your Chapter newsletter in the mail.

ARNS has a number of QCWA members, including K2GWN, W2JE, W2VLH, W3CL, W4IYT, K4LMB, W4QR, W5KR, W6CU, W6DDB, W6DEF, W6GIC, W7CFF, W7DKB, W8AP, W8BKO, W8FBH, W9BOX, KA9DYS (ex W9HPJ), W9IPO, W9IWI, W9KIK, W9MDL, W9UQA, W9YZE, W0CR, W0MCI, K0NL, W0UJA, and W0WLN.

Talk to any of them about how ARNS can help you and your Chapter, or contact me or Secretary Fran Norrick, W9WPS, Route 6, Box 239, Kankakee, IL 60901.

Lee Knirko, W9MOL  
President, ARNS



Here is your copy of the Gator Chapter Roster 1980. Its impossible to make a roster without a few mistakes. If you find any, please let me know and I will make the necessary corrections in the March News letter. The attendance at our meeting on Feb. 2nd was 88. We have 2 new members, Ralph Parkinson, W3WJ #13,770 and George Wessner, K4POL #13,791. Welcome to our chapter. Our visitors were K4BUE, W4PFW, W4KX, W4JFY & YL K4BJU, W4OPH, W4JER, W4PAT and W4WED. Jim Keyes and YL celebrating 9th wedding anniversary and Karl Rau and YL their 10th. Congratulations. Ed Powers, W4SUB advised that the Council will run the Clearwater Convention on Nov. 1st and 2nd this year at the Bayfront Hotel in St Petersburg. There will be more space for meetings, exhibits, flea market and parking. However the convention is being held on the same dates as the QCWA national convention in Orlando. This will create a problem for QCWA members in this area. Ernie Grant, W4GJL was appointed as alternate representative to the Council. Ray's Amateur Radio is now donating a \$15.00 gift certificate to our chapter at each meeting. It will be raffled off to our members at the meeting. This will help the treasury to stay in the black. We thank Ray very much for his generous gifts. The first gift certificate was won by Herb Tuell, W4IRA. There was a 6 page story in the February issue of 73 magazine by a gator member Rexford Matlack, W3CFC and YL. It was entitled "The Paper, the Station and the Man, a brief history of the New York Times Radio station. Another Gator member, Reg Iverson, K4QC supplied the material and was chief engineer of this station for many years. Rexford has an antique radio museum located in the village of Redders, Pa. The guest speaker at the meeting was Mr. B. Norval McDonald. He was a design engineer specializing nuclear power plant equipment. He worked for Babcock and Wilcox and retired in 1977 after 40 years of service. He now does consulting work for the industry and he gave us an excellent talk on how a nuclear plant is built.

Elie Nennis, K4JMH

**FORT WORTH QCWA**

The January Chapter meeting was held at the KC Club's Oak-Grove Airport, on January 17. Frank Wanjia, W5IS, provided a fine program, showing old time equipment, and speaking on the many facets of radio at which he is an expert.

Bob Williams, W5AXO, is a new Chapter member, welcomed to the group! and....Jim Sarno, K5TGE is has reached the 50-Year mark in Amateur Radio. Herb Angell, K5AH, has recently retired after more than 30 years with Montgomery Ward... Herb headed up the National Compressor Pool...now he's got time to clean out his garage! Congratulations, Herb!

- Ray, W5IWE -



# NORTHERN CALIFORNIA CHAPTER



Tom Braidwood, W5BW, wrote saying that he had enjoyed a visit with Milt Schwartz & Bea, W2SF, recently.

Tom is a real pioneer and has sent in pictures of some of his rigs thru his years as an amateur.

Shown here, 3UZ, his 1914 rig, located at Anglesea, NJ.

Single slide tuner  
Loose coupler  
Carborundum detector  
Silicon, Galena detectors.  
Splitdorf spark coil with zinc spark gap.  
Oscillation xfrmr  
Brandes Headset.

The NORCAL CHAPTER held it's annual meeting Sunday, February 10, at Jack London Square, Oakland. 69 were in attendance to hear Marti Vokoff, Engineer in Charge, (formerly the R.I.) of our 12th Naval district. His talk was interesting and well presented.

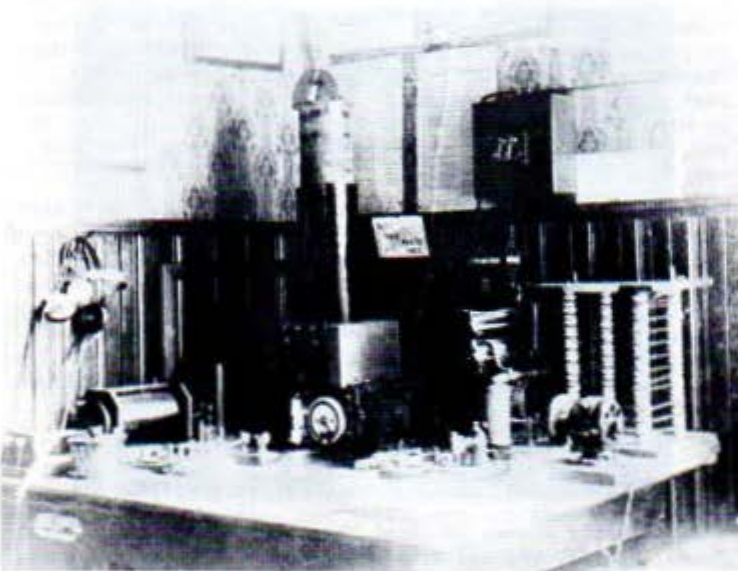
Mrs. Gertrude Reinartz, widow of John Reinartz, was present from her retirement home in Aptos, CA. It was John Reinartz who first placed a grid in vacuum tubes making radio as we know it possible. The Foothill Museum, at Foothill College in Los Altos, displays many of John's inventions.

The next function of NORCAL CHAPTER will be our annual picnic. Gordon Elliott, W6CIT, is Chairman for the picnic. The picnic is to be held in August!

Chapter President, Bob Franklin, K6TP conducted the luncheon meeting and did a fine job. The Chapter now has 261 members. The Sunday morning nets are well attended, and the 2-meter Saturday net is busy too.

- Russ W6AUC -

# UPPER MIDWEST CHAPTER



This picture, after WW-1, is of 3BA...in 1919, also located at Anglesea, NJ.

Some of the same equipment used from the 1914 rig, which had been stored during the War years... It was more modern though, with,

Audion tube detector  
20,000 meter loose coupler  
1/2 kW Thordarson spark transformer  
Rotary spark gap

The Chapter held it's first meeting of the year on January 24, at the Midway Motor Inn, St. Paul, MN. A record 60 members & guests were in attendance... The evenings program was provided by Gar Anderson, K0GA, ARRL Director for the Dakota Division and member of the Executive Committee. Gar gave an excellent briefing on the high-lights of WARC 79 and concluded with a question and answers session which was a great help to all attending.

Roger Olson, W0WM, President of the UPPER MIDWEST CHAPTER, was presented with the 52-year endorsement to his Golden Certificate. Door Prizes including a smoke alarm, soldering gun plus ARRL publication goodies donated by Gar Anderson, were won by lucky ones, at the end of the meeting.

The next Chapter meeting will be held on Thursday, March 20, at the Midway Motor Inn, St. Paul.

-Frank, W0SNX-



And finally, the 1980 rig at W5BW located at Biloxi, MS.

Signal One CX7ABC  
Yaesu FT101  
Spectronics Digital display  
Yaesu FL-2000 linear  
Yaesu Monitorscope  
Yaesu Phone patch  
National NC-2-400 standby receiver.

Tom checks into the QCWA NETS regularly and is a Charter Member of Mississippi Gulf Coast Chapter!

-W5EJ



R. Levasseur, VE3FQ, writes that he's in possession of several old books in good condx, and hard-covered:

1. Radio Handbook, 1946
2. Admiralty Handbook of Wireless Telegraphy, 1925
3. Handbook of Technical Instruction for Wireless Telegraphists, 1915.
4. Wireless Direction Finding and Directional Reception, 1922
5. Practical Wireless Telegraphy, (Bucher, 1917)
6. Vacuum Tubes in Wireless Communication (Bucher, 1918).

If interested, contact VE3FQ at:  
415 Coombs Avenue  
London, Ont N6G 1J3 Canada



Pictured below is the rig and the man, Harold Grigsby, who, in August, 1930 (date of the picture) was W9FEU. The rig was a beauty, and everything homemade. The QSL cards ought to bring back some memories to some of the gang.



Harold is now AA4MF, and he's at 11613 108th St. N., Largo Florida.

#### SAN DIEGO CHAPTER

Everett W. Thatcher, K6EC, erroneously listed as a silent key in the 1979 Membership Directory, almost confirmed the error when he suffered a severe heart attack last Christmas evening. Ev, a long time member of the San Diego Chapter, was in intensive care for several days before things began to look toward positive improvement. We are happy to report that he is doing remarkably well as of this writing in mid-February.

The San Diego Chapter QCWA Wednesday evening net is now fortunate to have net control in stereo, with John Weiting, K6QM and Sid Burnetto, W6KSI at the helm most evenings.... Subject material varies with the weather, but checking in is a rewarding experience. This is really to say thanks to Dick Brown, W6OVX, who single-handedly managed the net faithfully for several years. It's so nice to put out a call for help and have people so well qualified as John and Sid, step in to give Dick a breather.

George Mitchell, K6ZE (Zero Energy) who has been seagoing radio operator and electronics officer in the EXXON tanker fleet for a year or more, is again preparing to return to sea, but by way of a specialized course to be held at Texas A & M, at College Station, Texas. George was informed by the EXXON front office that he had been "selected" to attend the Marine Fire Fighting and Emergency Training Course for five days, provided for the Marine Industry and held at Texas A & M.

George mentioned that he was looking through a copy of the Naval Institute Proceedings, to which Exxon Fleet subscribes when he noticed the announcement of a photo contest with Navy or Maritime related shipping as the selected subject. George recalled that he had a nice photo of the EXXON PHILADELPHIA loading oil at Valdes, Alaska, with huge snow covered mountains in the back-ground, and a late night shot at that. George forwarded his picture of the ship and some time later received a nice letter from the Naval Institute at Annapolis advising him that his photo had been selected as one of the ten winning photos in the Naval and Maritime Pirze Photographic 1979 Competition. Enclosed was a check for \$100. Congratulations, George!

We are pleased to have Lyle C. Fisher, K6NC, as our new Programs Chairman. He voluntarily stepped into the job left when Frank Jallu, W6GU, stepped down due to the pressures of other responsibilities. Now we must alert Lyle to the desirability of having George Mitchell for an upcoming meeting program. It's just a matter of finding him in port!

-Si, W6OSD-

Pictured below is the 1929 rig of C. O. Lang, W9DAR, who resides now, at Clearwater, FL. The rig was a 203-A in a TPTG Hi-C circuit. A voltage fed antenna, home-brew receiver, a bug, and Frost phones! Sure appreciate the pix!



#### AKRON, OHIO CHAPTER

The cold and snowy weather on January 24, 1980 didn't hinder the group of 40 from attending the Akron Ohio QCWA Chapter quarterly dinner meeting. Charles Rogers, W8ZKX, provided the entertainment which consisted of slides and narration of his visit to the Republic of South Africa. Many thanks to you, Charlie, the program was enjoyed by all. A cash prize covering the cost of a steak dinner was donated by Hiram Phillips, W8UXE, and Charlie won it! Thanks to you, Hiram, although you could not attend, your presence was felt by all.

Congratulations are in order to the following new QCWAer members...Henry Morgan, Sr., W8NLW; Robert Paul, W8CMO; George Paul, W8ZTQ; Arnie Farkas, W8UPG and Frank Tompkins W8HL. Welcome aboard, we're happy to have you! Paul Drotar W8MWB, has been hospitalized by a stroke...Paul, the group wishes you a speedy recovery. Many thanks to the nominating committee and Chairman Hank Freeder, W8VQI, for a job well done. The newly elected Chapter officers who will be serving a two year term, beginning April 24, 1980, are:

Chester Rataski, K8GRO, President  
Harold Tune, W8LZE, Vice President  
J. Ed Robertson, K8EMI, Scty/Treas.

The Chapter wishes to thank the outgoing Officers, Perry Towne, W8SIZJ, VP; and Mike Underwood, W8AFP, Scty/Treas., for a job well done.

Mike Underwood, W8AFP and YF Agnes are vacationing in FL for the winter, may you both have a pleasant stay. The Next Quarterly meeting is scheduled for April 24, 1980, at Anthe's At The Lakes, in Akron...our 12th Anniversary!

- Chet, K8GRO-

#### ARIZONA CHAPTER QCWA

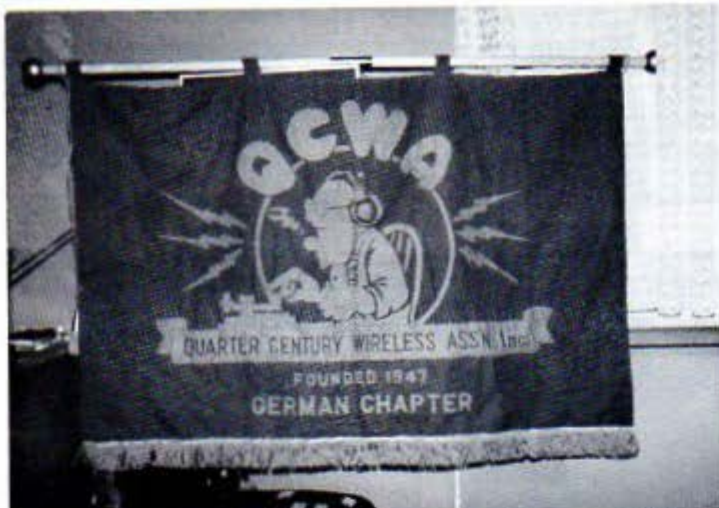
The Chapter held a meeting on October 23, 1979, at Sun City Sir George's Royal Buffet...it was a good event, with about 39 members and guests attending.

The program consisted of a video edition of "The World of Amateur Radio," prepared by Dave Bell, W6QA. Running time of 30 minutes, the film depicted all parts of Amateur Radio and was enjoyed by all in attendance. In addition, Mabel Brown, K7OBR, presented two excellent photo-journals, "Los Voladores of Mexico" and, "A visit to the Canadian Royal Mounted Police Academy."

The Chapter conducts on-the-air business meetings under the guidance and control of Chairman W7JZA, Ruby LaRue, at 0800 MST on 3892 kHz. All members are urged to checkin!

-Lucky, K7NTG-





*Frohe  
Weihnachten  
und  
viel Glück  
im  
Neuen Jahr  
Kurt  
Kloppfuss*

Pictured above, the Christmas greeting card from the German Chapter

#### NORTHWEST CHAPTER NEWS

Members of the Northwest Chapter are looking forward to meeting and visiting with QCWA members who will be attending the Seattle 26th ARRL National Convention, July 25 - 27, 1980. The Northwest Chapter asks that each QCWA MEMBER wear his QCWA Pin, so you may be identified, and the Chapter will have a room for QCWA meetings, at the SEA-TAC Red Lion Motor Inn, the Convention site. The room will be there for you to sit and visit, meet old friends and make new ones. SEE YOU AT SEA-TAC '80

We've been saddened by the loss of several Chapter members. Memorial services have been held for Hugo, W7BCY, Ralph, W7OKV, Woody, W7EBU, Marge, W7GX1. Marge was a Charter Member of the YLRL in 1939!

The 1980 Annual Meeting & dinner for the NW Chapter will be held on June 14 in Seattle. The exact location is not specified at this time. If you might be visiting in Seattle, you are welcome to come visit with us. Call Herb Auckland, W7AUK, who is listed in the phone book, for the place and time! Chapter members will be advised in the Chapters bulletins. -Beth, W7NJS-

Michael Fiehl, W2GZQ, has received a bit of well deserved publicity for his work on behalf people across the world.

Michael is retired from IBM, where he worked for 38 years as an engineer, a designer, an artist and model maker..

He is active in Missionary work; and in every possible humanistic use for amateur radio and its ability to provide communications to remote places.

A fine story was published in "Tempo of the Towns," written by Clay Ellis!

Michael, a QCWA Member, is 77 years of age, and 55 years an Amateur! His work does honor to us all!

George F. Reynolds, VE4VU

Living in Winnipeg, sent a line letting us know that he was OK...George's wife, Jean, X4JR, passed away about a year ago....she was one of the first Canadian YLs to get her "advanced amateur ticket! George, who has been an amateur since before WW-1, is writing a history of Amateur Radio in Manitoba before World War I. The series is being published in "QUA" a publication of the Winnipeg Amateur Radio Club, Inc..

There is a great deal of information in the first article and it will be in QCWA permanent files, for researchers use, in the future. Congratulations!

Dusty Dunn, W8CQ, was awarded the 60-Year Golden Certificate recently. The Award was arranged by Howard Gould, W8TG. Congrats!

Pictured below is the station of W7EEN, Carl Partlow, Spokane, WA.. Carl's station features as much equipment as a CBS control room, & he can operate all bands, from 1.8 to 220 MHz. Carl is a member of the Evergreen Chapter of QCWA!



#### BATON ROUGE CHAPTER

The Baton Rouge Chapter of the Quarter Century Wireless Association held an informal luncheon meeting on Saturday the 23rd of February, at the Sizzler Restaurant in Baton Rouge. A total of 45 members, xYLs and guests were present. Mr. Bill Benedetto, of the Gulf States Utilities Company was the Guest Speaker. He spoke on Nuclear Energy & the Talk and question & answer session was very lively and informative. The program was followed by a short business meeting, and door prizes were then drawn. Wes, W5DPM was the member winner and Hattie, xYL of Dan, W5BV, was the guest winner.

The Baton Rouge Chapter now boasts of 85 members throughout the State of LA, and one in Tennessee and another lives in FL. The Chapter is still accepting new members with open arms. Info can be obtained by writing:

El Charlton, W5MD  
1535 Outrigger Drive  
Baton Rouge, LA 70816

C. S. (Stocky) Stockslager, W9FOO, who is well known OT, writes to his friend George Hanson, W7BKB, "Syb and I arent doing as well as we might..Syb has had a light stroke, but she's doing better now, not so tired or dizzy, the past 2 months, but she still doesn't drive the car....I had a light heart attack Apr. of 1978 and March of 79, while in the hospital for other problems.... might as well face it, Father time is catching up....We're going to have to improve greatly, I'm thinking, for any more travel."

Those of you who know Stocky might drop him a letter...he'd enjoy it!



Further Answers to the fall, 1979 Brain-teaser problem on trig. These were answers which came in after the Winter QCWA News was published.

Glenn L. Markley, W8VLB	Correct
Al Roloff, N4UZ	Correct
Fred W. Berger, W4GX	Correct
Dick Kleinberger, W2ON	Correct
Herbert Clark, W7HXM	Correct
T. Piotrowicz, W3UQG	Correct
Don Strong, W7IM	Correct
David E. Bourne	Correct
Frank Lester, W5ATM	Correct
Joel P. Ross, K2HXS	Correct
J. L. Miller, W5SE	Correct
Ted Koranye, W2SFW	Correct
John Scott, W0QIH	Correct
W. W. Mumford, W2CU	Correct
J. H. Pettingill, N2BC	Correct
Ed Worden, AA4AS - Correct but omitted length of side	
F. E. Wooldridge, W4IZD	Correct
Eddie Seales, W7MME	Correct
W. Herbert Combs, W4KEB - incorrect, missed cosine value.	
Donald W. Alexander, W8LK	Correct
Charles B. Wolfmeyer, W0KH	Correct
Henry Elwell, N4UH	Correct
Walter R. Larson, W6WL	Correct
Mal Wiseman, W3GVG	Correct

QCWA BOARD OF DIRECTORS WILL HOLD A MEETING, APRIL, 1980, AT DAYTON, TO CONSIDER VARIOUS MATTERS OF IMPORTANCE TO THE ORGANIZATION. IT HAS BEEN REPORTED THAT BARRY GOLDWATER, K7UGA, WILL BE ON HAND!



That makes two of us George!

LARSEN ELECTRONICS, INC., of Vancouver, WA, has improved their Magnetic Mount design to give it even stronger hold-in power and reduce even further the chance of scratching the vehicle finish.

For more information, write Larsen Electronics, Inc., PO Box 1686, Vancouver, WA, 98668.

The Milwaukee Amateur Radio Club joined ARRL December 5, 1919 and is the first Club to celebrate completion of 60 years as an affiliated Club. Congratulations!

#### DOGWOOD CHAPTER



The picture taken above, at the Fourth General Annual Meeting, Vernon, BC Can held on June 30, 1979. L-R are: Ernie Edwards, VE7DAR, Director; Dave Gilmour, VE7YG, Treasurer; Art Spence, VE7DKY, Vice President; Max Green, VE7DZ, President; Ernie Savage, VE7FG, Secretary; Truman Lockheed, VE7DKI, Director.

George Brown, W1BIO, sent us a picture of himself and rig shown at left. George lives in a 70-foot mobile home and enjoys it greatly. His QTH is Halifax, MA, about twelve miles east of Plymouth, MA.

George has been awarded QCWA Golden Certificate.

There are four other active amateurs in the same mobile-home park...W1ALP, W1TFP, K1KYB and K1HJQ. They're all good friends!

George, in his letter, hit a touchy spot...he said, "Pls. excuse the lousy typing, I'm not very good I'm not very good with a typewriter---but it's better than my writing"

- W5EJ -

Lloyd E. Furrow, W8IX, wrote to say he enjoyed the picture on the cover of the Summer QCWA NEWS, and they all the men mentioned were good friends of his. He wants to see more of the old stations!

Lloyd sent in added funds to upgrade his life-membership in QCWA, which is appreciated. There'll be more & more pictures, Lloyd!

-Ed-

Ray Yeranko, W9JQJ, of the Fort Wayne Chapter QCWA, wrote a note regarding the possibility of changing the Chapter number.

Three Chapters have indicated interest in this matter. Our communications with interested parties shows a great many would rather keep things as they are, but, we will keep the matter open until the Summer QCWA NEWS is published. At that time a decision will be announced.

Ralph, W2CVF, has a QSL card from Fred Elser, KG6CZ, for a QSO on April 3, 1949, when Fred had the call TA3GVU, in Ankara, Turkey!

Ed Crane, W2EF, sent a fine story concerning the founding of WGBB, at Freeport, LI...founded by Harry Carman who was the father of Broadcast Radio for that region. Harry Carman, before WWI was 2EL. The entire family was radio oriented. The story was interestingly written and will be kept in QCWA files as historical information!

#### FOURTH CORNER CHAPTER #103

Del Young, K7VW, President of the Chapter wrote a short note - he has been in the hospital for some time. Del sent a clipping reporting the passing of a good Chapter member, Virgil R. Stark, W7HDC. Virgil had led an active life being an Amateur, Skipper of the Bellingham Sea Scout Ship, "Flying Clipper" and a member of the Old Settlers Association, and many other activities. The Chapter will miss him greatly!



CANTON, OHIO CHAPTER

A total of 47 were in attendance at the recent Chapter get together. Oliver & Polly Bryant were guests of John and Mary Lou Hoffer, W8CWY; Carl & Eileen Tallman guests of Lou and Mary Leonhart, W8ERR. Debbie, daughter of George and Letha Waseman, W8SPZ. Two new members were introduced.... Keith and Mary Chambers, W8SSA and Andy and Dorothy Hogue, W8DIR. An old form of elections was used (called railroad-ing)...Jesse Wilson, W8LDQ changed from VP to President, while Charlie Scott, K8BYC, who was pre-occupied collecting money, was elected Vice President. Henry McLaughlin, W8OYV ran a real tight race with excuses, and is again Secretary treasurer. In fact the election was so hot that electing two new trustees was somehow overlooked! So, without a bit of protest, Earl Reichman, W8NBK and Dave Polen, W8FRB, are to remain in those positions! Our thanks to Eleanor Wilson Letha Waseman, Louise Ball and Grace McLaughlin for seasonal favors for the ladies. John Hoffer, W8CWY, President of the Pittsburgh Chapter, was winner of a door prize that had been donated by Henry, W8OYV.

John Hoffer, W8CWY, proposed that Vic Clark, W4KFC, Vice President of ARRL, be nominated as a candidate for enshrinement in the QCWA Hall of Fame, by unanimous vote, the Chapter approved. Chairman Harley Ball presented W8OYV, with a Service Award!

The Chapter welcomes another member, Arthur Schermerhorn, W8FEC...Art is extra-class, retired Signal Corps Army Officer, Communications, Supply, CMDG Officer & data processing with ham radio as his hobby!

The Chapter published a new Roster of Members!

- W8OYV -

TREASURE STATE CHAPTER #104



From Les Blewett, W7OIL, Secretary, of the Chapter, the pix above; Pictured are, L-R; Bill Earle, W7AU, receiving his Golden Certificate from Orval Hill, W7DB. The presentation was made October 29, 1979, in Butte, Montana! Congratulations to Bill from all of us in QCWA!

- Les, W7OIO -

SOUTHERN CALIFORNIA CHAPTER

Twenty-nine attended the 17th SQUAMO eyeball meeting of February 24, 1980, in Beverly Hills, CA. These bi-monthly meetings are held the last Sunday of each even numbered Mo, at 2PM, and are open to any member of SOWP, QCWA, (United Organizations), AWA, MTC, OOTC. Reservations are required because of space limitations permitting a maximum of only 40 persons in the Community Room of Western Federal Savings... If interested in attending, call Ralph Cabanillas, W6IL, at 213 469 7831!

The Chapter spring dinner-meeting is planned for May 10th at the "Belle N Beau" restaurant in Monterey Park, CA. The speaker will be Dr. Mert Moser, W6HS, presently on a 91-day cruise around the world, operating maritime mobile from the MS Sagafjord. Another Chapter member, Cal Smith, W6BRD/MM2 is on board the MS Santa Mercedes, on a cruise around South America. Both of these members visited Tom Christian, VR6TC on lonely Pitcairn Island recently.

During the recent heavy rains in CA, "Big" John W6MAB, complained about being kept awake at night by huge boulders careening down the canyons alongside his home. Oka, W6CAR, lost part of his garage in hard-hit Topanga Canyon. Bob, W6PG, got to operate as VK2DIU, from Sydney and Adelaide, & recruited Al Smythe, VK5MF as another Australian QCWA member. Marie Welsh, W6JET, xyl of W6DDB, joined QCWA, adding another husband-wife team to our Chapter.



In the Photo above, taken by Moe, W6PHE, of the SQUAMO get-together, Front Row, L-R are: W6IL, W6PHE, W6FZ, K6SKT, W6QOG, Greta xyl (W6PHE), Mary xyl (W6smd), W6AXA xyl of W6MPZ), W6CL and K6BA. In the rear, L-R are: K6HQQ, W6DQZ, W6HUB, W6MBD, K6FF, W6FQ, W6PYV, W6PG, W6IPM, Beverly xyl W6PG, W6QIL, W6SMD, W6MPZ, KB6LF, W6WHK. Not in the pix were W6SMK, K6QFG, W6OYV & xyl Betty.

-Moe, W6PHE

REPORT ON INAUGURATION ISRAEL CHAPTER No. 124, QCWA

On February 3, 1980, at the monthly meeting of the Old Timers Club, the above Chapter was inaugurated by Ozzy 4X4CW President pro-tem. It was decided that meetings of QCWA would be coordinated with the OTC MEETINGS every month---this way we would have regular contact with the other members, also potential members. All mail received from QCWA will be sent to 4X4AH, who will then distribute it at the said meetings. Most membership forms were distributed at the meeting, 4X4BL and 4X4BR will have to go by mail, as they live in Haifa, and it is difficult for them to come to Tel Aviv. As soon as we have them all lined up, we will begin the silent Keys Project---This is a forest which will be planted in ISRAEL - each tree will honor the memory of a Silent Key - Further information will be passed on as soon as the Jewish National Fund, who are responsible for planting of the trees will be contacted. We would like the idea brought to the attention of all QCWA members who would like to honor the memory of their specific buddies. We notice in the YEAR BOOK that there are quite a substantial number of Hams who have passed on.

We would like to pass on thanks of the Charter members for the help given by President Harry Gartsman, and to Joe Bonnett, who have done much to make the Israel Chapter a reality.

-Ozzy, 4X4CW-



## DELAWARE VALLEY CHAPTER

The Chapter's annual meeting was held at the Buck Hotel in Feasterville, PA, November 14, 1979. There were 34 members and guests present.

A 50-Year Golden Certificate was presented to our Chairman, Coleman Beeson, W3EY. A very fine dinner was enjoyed by the gang.

Speaker of the evening was introduced by Vice Chairman Sidney Deitz, W2FDE. He was Mr. Robert A Saviers, W3YCA, retired from the American Steel Wire Company, of Trenton. His position was "Erecting Engineer" which took him all over the world. This work included guying of many radio towers some of the highest, also inspection of cable not only on towers which he had to ride to the top on the cables, but also on bridges, such as the Golden Gate and many others. His lecture included many slides of his work around the world, and some samples of cable as large as 3½ inches in diameter.... a foot of such cable weighing 50 pounds made it hard handling at the Speakers table! Everyone was pleased by this fine program, especially the Ladies who enjoyed the slides!

Many fine prizes were donated by our member Preston Funk, W3FMY, of Trevoise Hamtronic Company, in Trevoise, PA.

Chairman Beeson, W3EY, has set the Spring meeting March 22, 1980, at Williamson Restaurant, in Horsham, PA.... We hope to see you there! Visitors are welcome!

-BB, W2HX-

Sidney Dunn, W8WXX, sent the pix below, of the 1923 station of 3GG...Canadian, who is a Silent Key (1977). It was an extraordinarily fine set-up, we're pleased to print it!



## Beaver State Chapter

The Beaver State Chapter tried a different social event for the first time and it worked very well. We sent notice to all members, via postcard, of a breakfast for December 15th. The Breakfast was at the Swept Wing Motel & Restaurant complex at Albany, OR. The gathering was at 9:00 AM & a total of 45 persons came. We had talked to the restaurant to make sure they would be able to handle the group. We had no idea how many would show up as we did not require advanced notice. The sudden influx of 45 persons did create a bit of a problem, but they did a real good job of feeding all of us. Most everyone thought it was a nice way to start a Saturday morning. We probably will try a breakfast again!

Some sad news to report. Ralph L. Harris, W7OKV (11,617) passed away on December 10, 1979. Ralph was a Charter member of the Beaver State Chapter and is the first Silent Key from the Chapter. There have been several QCWA members who have passed away since our Chapter was formed, but Ralph was the first one who was on our Roster. Ralph's passing brings our membership down to 110, as of the end of 1979!

-Dick, W7EFS-

## NORTHERN NEW JERSEY CHAPTER



In the picture above, L-R, are: John Brischler, W2SGI, Treasurer; Jerry Powell, W2QJW, 1st Vice President; H. G. Mustermann, W2TP, 2nd Vice President; Larry (Doc) Evans, W2BBK, President; Paul Bechberger, K2GH, Rec. Secretary; Andy Rau, W2IET, Corresponding Secretary.

The picture was taken at the meeting of the Quarterly dinner meeting held at the Robin Hood Inn, Clifton, NJ, Nov. 30, 1979.

65 members and guests attended and were most enthusiastic in their praise for the outstanding presentation, including slides and commentary by "Musty" Mustermann, W2TP and his very capable sister. Based on their recent trip to the Peoples Republic of China. The Program provided better appreciation for the nearly one-billion people now earnestly trying to make up for generations of lost contact with the western world.

-Andy, W2IET-

## COASTAL CAROLINA CHAPTER #118

Bob Knapp, W4OMW, reported on activities for the Chapter! The Chapter has prepared it's first NEWSLETTER to all members, listing information of importance. The on-the-air meetings are being held at 8PM, EST, on Monday evenings on the ENC repeater, Grifton, NC (146.16/76). Following that session, the Raleigh repeater, K4ITL/R (146.28/88) is being used at 8:15PM. Members are urged to checkin, get acquainted and give news of themselves and their families.

Bob Reports that Mary, W4UTO, has joined the QCWA & that he has also joined it, in support of the organization! Work on the Chapters Constitution & By-Laws is underway, help is needed - any volunteers?

## HIGHLANDS COUNTY CHAPTER

Jim Jones, President of the Highlands County Chapter of QCWA sent a short report, and included the picture below, of the 1st Official meeting of the Chapter on January 2, 1980....



Jim reported that he had attended the QCWA Luncheon at the Orlando Hamboore, and that the Highlands County Chapter expects to assist in the National QCWA Convention, at Orlando in any possible way.

Membership in the Chapter has increased to 23 members....a very large increase from the 11 charter members. Two of the members are xYL's!

- Jim, N4XV -



## QCWA BRAIN TEASER SOLUTIONS, WINTER ISSUE

OFFERED BY	Page 115		Page 120		
	No. 1	No. 2	No. 1A	No. 2A	No. 3A
Correct solution	2:1	29.3-j7.7	17,576,000	None*	.01010101..
Elmer A. Wingfield, W5FD	2:1	29.4-j7.8	17,576,000	N	.01010101..
C. Norm Hicks, W6JMA	2.2:1	36 +j0	17,558,424	N	.01010101..
Ralph D. Stullken, W5TVU	2:1	29.4-j7.7			
George W. Daley, W3WU	2:1	30 -j7.5			
Allen C. Ward, KA5N	2:1	39 -j9	17,576,000	N	.01010101..
Neil B. Coil, W4BCT	2:1	29.5-j7.6			
Ted D. Koranye, W2FSW	2:1	29 -j8.5	17,558,424		
Dick Whiting, W0TN	2:1	29.3-j7.7			
Fred A. Linn, W9NZF	2:1	29 -j7.5	720	N	.01010101..
Issac Queen, W2OUX			17,576,000	N	.010101....
Tom Webb, W4YOK	2:1	29 -j8			
Carmella Cicerello, W8NAL			1.63x10 <sup>12</sup>		
Harold B. Towlson, W2BDE	2:1	29.4-j7.7			
Anthony Sariti, W4DFO	2:1	26.5+j0	12,812,904		
A. H. Nichols, W6EVL	2:1	32.3+j24			
J. C. Drake, W5EF	2:1	29.4-j7.8			
J. V. Walsh, W2KRD	1.5:1	26.5+j0			
Norvell A. Canfield, W6KKF	2:1	29.4-j7.8			
Stan Andrews, K6MO	2:1	29.3-j7.7	35,152,000	N	.01010101..
Bill Marsh, VE3SB	2:1	28.5-j7.5	17,576,000	N	.01010101..
John S. Erickson, AD4N	2:1	29.5-j7.5	2.18x10 <sup>9</sup>		.01111
Walter B. Larson, W6WL	2:1	29.3-j7.4	17,576,000	N	.01010101..
Tom Hampton, W5ADU	1.7:1	29.5-j7.6		N	-1/11
A. H. Nichols, W6EVL	2:1				
Bruce Montgomery, W4BFR	2:1	29.3-j7.3			

## SUWANNEE CHAPTER MEETING

Pictured below, is Chapter President, Carl Coleman, K4WJ (Left), presenting Gene Berato, W4QSG, with his Golden 50 Year Certificate, at the Silver Spring Florida Hliday Inn during the Suwannee Chapter meeting, February 23rd. We had to hang onto this Award for 4 months, finally catching up with Gene after an RV trip. Also displayed at this meeting was the 50-year Award of John Day, W1BKU, whose award had been mailed to him from the Yankee Chapter!



Thirty-six members & guests attended the bi-monthly meeting & luncheon of the Suwannee Chapter. We cover North-Central Florida, and have a very active Chapter (#62). All of our luncheons are co-ed and well attended.

- Larry, W4LIN -

Ed Crane, W2EF, sent us a copy of his original license, issued January 14th, 1920, Official Number 105, call 2-EA.. His Operators license, of the same day is Number G-3537!

## LAKE ERIE TRI-STATE CHAPTER

The Chapter reported that an Old QCWA member, Homer Ellis, K3CB has passed away in 1976. This had never been notified to QCWA, and his call has been listed in the Silent Keys Column.

Homer was an Electrical Engineer working for General Electric Company for many years. He was a Veteran of WWII having served in the U. S. Navy.

He passed away, January 5, 1976 leaving his wife, Mary, one daughter and three sons!

The Chapter urges all QCWA members to be especially careful to notify Headquarters when a member passes away so that it may be noted and due respect given!

-Paul, W3QPP-

The Long Island Chapter enjoyed a fine talk at the December 14, 1979 meeting with Harry Dannals, W2HD, speaking on KARC matters.

W2QQD was confirmed as Chairman for the Chapter for 1980.

- Bob, W2FRX -

CHECK YOUR MAILING LABEL ON THE FRONT COVER OF THIS NEWSLETTER YOU MAY SEE SOMETHING LIKE THIS:

DEC79

THIS MEANS YOUR DUES EXPIRED AT THE LAST OF DECEMBER, & URDUZRDU

Dues are \$19 for 3 years, send them to: QCWA, Inc., 1409 Cooper Drive, Irving, TX 75061

## METRO NEW YORK CHAPTER

The Metro NY Chapter luncheon, January 9, 1980, was held in conjunction with the Radio Club of America, at Rosoff's in NYC. The meeting was opened by W2QU Dudley Phelps, Vice Chairman. 44 were present. Vi & Sam Grossman, W2JZX and W2JDG, gave out tickets for door prizes and three free luncheons.

New Officers elected for 1980 were:

Milt Schwartz, W2SF, Chairman  
Bill Trenkle, W2FWA, Vice Chm  
Dave Winter, W2AUF, Scty/Treas.

Directors elected were: George Clark, W2JBL; Bill Kunzler, W2AVI; Nat Pfeffer W2AIM; Max Wolf, W2AJM, Jack Rosenbaum W2BQR.

The speaker for the meeting was Joseph B. Milgram, Chairman of Roebbling Memorial Committee who gave an extensive construction description and history of the building of Brooklyn Bridge, first of its kind.

-Dave, W2AUF-

Pictured below, L-R, Charley Wilson, W5ZKM and Barney Moffatt, W5CJZ, while relaxing in the "attitude adjustment" room of Henry Winans, W5KNY...at the Texoma Hamarama, October, 1979!



Picture by W5KNY

## LAW WEST OF THE PECOS FUN DX-PEDITION!

Amateur operators worldwide are being giving the opportunity to work a true 19th-century Texas Cowtown, in a special, 24-hour fun DX-pedition.

A group of San Antonio Amateurs --that put Luckenbach, TX (pop. 3), on the air in May, 1979, in the first of this series of annual outings -- will be on the air April 19 & 20, 1980, near the world famous Jersey Lilly Saloon, where Judge Roy Bean served drinks and dispensed his own brand of Frontier Justice in the 1880's. backed up by a six-gun!

The call of the DXpedition is W5TEX... Hours 1800 GMT Saturday to 1800 GMT on Sunday...on 7235, 14285, 21110, 21360. CW and SSB, of course!...A certificate will be issued, upon receipt of a SASE and QSL card sent to "Law West of the Pecos DXpedition, 2618 Rigsby Avenue, San Antonio, TX 78222. a Fun game!



QCWA MEMBERSHIP

Applicants for QCWA membership must have held an amateur license at least 25 years ago, and must at the time of applying, hold a valid amateur license. It is not necessary to have been licensed the entire 25 years. Proof of eligibility must be given. Headquarters has a library of callbooks from the old times that can be used in many cases. A request for information will bring a prompt return letter!

An entry fee of \$3 is charged for initial membership, this plus dues in the amount of \$19 for three years are payable in advance with ones application. Life membership may be obtained for \$75, plus the \$3 entry fee. Time payment of life membership fees is available; three payments to be completed in one year, of \$25 each. Upon completion of payment Life Membership Certificate and membership card is sent.

CERTIFICATES

MEMBERSHIP CERTIFICATES, numbered in serial order, are issued to each member. The numbers are never reissued, except to the same one to whom they were first issued, and then only in the event of lapsed membership. Blue certificates and membership cards going to regular members with Gold Certificates and membership cards being issued to Life Members. In the event a certificate is to be replaced, a charge of \$1.00 is made.

GOLDEN ANNIVERSARY certificates are issued upon application, and proof of eligibility. Those having 50 or more years in Amateur Radio are qualified. Endorsement stickers for each 2-year interval over the basic fifty years are available from Chapter Secretaries.

QCWA CENTURY CLUB CERTIFICATE, is a new Award voted by the Board of Directors in February, 1978. Eligibility is based upon a members age plus his years in QCWA (in good standing) being equal to 100 or more. Proof of eligibility must be established by the applicant. Age by copy of drivers license, etc...Headquarters attests to your eligibility and will issue the Certificate.

50 YEARS CONTINUOUSLY LICENSED CERTIFICATE is issued to QCWA members whose calls appear in callbooks since 1929. There is a charge of \$1 for the Certificate. It must be applied for with proof of eligibility supplied at the time of application.

60th ANNIVERSARY CERTIFICATE is issued to those QCWA members who have completed 60 years as a licensed Amateur. Proof of such licensing is required. Endorsements may be obtained at 2-year intervals. 1912 is the first year considered as amateur licensed.

ALL OF THE ABOVE LISTED CERTIFICATES ARE ISSUED BY THE HEADQUARTERS OFFICE. APPLICATION BLANKS ARE AVAILABLE FOR THE ASKING. A SELF-ADDRESSED, STAMPED ENVELOPE IS APPRECIATED.

REMEMBER! ALL REQUESTS MUST BE ACCOMPANIED BY DOCUMENTARY PROOF OF ELIGIBILITY! IF YOU ARE NOT CERTAIN OF YOUR STATUS, WRITE FOR ASSISTANCE BEFORE MAKING AN APPLICATION.

OPERATING AWARD CERTIFICATES

QCWA OPERATING AWARD CERTIFICATES ARE ISSUED TO QCWA MEMBERS BY THE OPERATING ACTIVITIES MANAGER, WES RANDES, W4COW. PROOF OF ELIGIBILITY IS REQUIRED.

QCWA WORKED 50 STATES CERTIFICATES are issued to QCWA members who have contacted members in each of the states. Applications must be accompanied by proof.

QCWA WORKED 100 MEMBER CERTIFICATES are issued to QCWA members upon proof of eligibility.

QCWA WORKED 60 CHAPTER CERTIFICATES are issued by the Activities Manager upon proof of eligibility.

QCWA WORKED 500 MEMBER CERTIFICATES are issued by the Operating Activities Manager upon proof of eligibility.

QCWA ANNUAL QSO PARTY. A Plaque is issued on behalf of QCWA to the high scorer in the PARTY. The plaque is inscribed with the winners name and year of competition.

ALL CERTIFICATES ARE NUMBERED SERIALLY, WITH A PERMANENT RECORD KEPT OF THOSE ISSUED.

EXPLANATIONS

Every possible means is used to validate claims of members for the Awards. It is always desirable for a member to contact headquarters offering evidence to support his claim before making formal application... This will allow us to help, and to avoid disappointment in the event that eligibility is not established

FATHER AND SON QCWA MEMBERS

Geoffrey and Reade Apgar were licensed in the early 1950's, son Geoff as K6EPT & Dad as W6PQH. Reade was project engineer for a Space Company and Geoff still in school. Reade retired to Florida with a new call, K4JLB, and Geoff kept his K6 call during his service years & joined IBM in 1966. Both have now settled in Washington State. Geoff is now W7JEZ and Dad is N7AGG. Both are enjoying very active amateur operating....They are members of Radio Club of Tacoma as well as QCWA. Northwest Chapter salutes them. They are pictured above, W7JEZ at the left & N7AGG at the right. Pix by W7OS.



- Doc, W7OS -



Pictured above, Dick Spencely, KV4AA, who makes more contacts on Ham Radio than anyone else in the world!



QCWA SUPPLIES

The following supplies may be purchased by QCWA Members:

QCWA Lapel Pin, Gold Plated, with call engraved. (Clutch Pin, pin clasp, or screw button types)	\$4.50
QCWA Lapel Pin, 50-year, clutch type only	\$5.50
QCWA Lapel Pin, 60-year, clutch type only	\$5.50
Blazer Emblem, 3 x 4 inch, embroidered	\$3.50
500 Red QCWA stamps, regular membership	\$1.75
500 Gold QCWA stamps, Life membership	\$2.50
240 Yellow, 50 Years in Amateur Radio stamps	\$2.00
QCWA Logo on rubber stamp	\$3.50
QCWA Automobile decal	\$0.50

QCWA Banners, 30 x 48 inch, Storm King Cotton,  
(\$80.00 cost shared equally with QCWA Chapters) \$40.00  
Chapters attaining 50 or more members may  
receive a banner at no cost, upon application

ORDER BLANK

QCWA Headquarters  
1409 Cooper Drive  
Irving, TX 75061

Date \_\_\_\_\_

Please send the following QCWA supplies:

\_\_\_\_\_ \$ \_\_\_\_\_  
\_\_\_\_\_ \$ \_\_\_\_\_  
\_\_\_\_\_ \$ \_\_\_\_\_

Send to: \_\_\_\_\_  
Name \_\_\_\_\_ Call \_\_\_\_\_ QCWA# \_\_\_\_\_

Address: \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Note that supplies cannot be issued to ineligible members...  
50 year pins can only be issued to members who have been awarded the Golden Certificate, etc.

Another QCWA Member has been cited for his assistance in an emergency. Mike Simpson, W6CRD, provided a two-way path of communication between Dr. Allen Hooper, of Memorial Hospital Medical Center and Captain of craft "Tin Ajo" located at the Suarow Atoll, in the South Pacific. A crewman had suffered a serious injury--treatment and medication was prescribed via Amateur Radio and Mike's equipment. Contact was held for three days, during which daily checks of the condition of the patient were made, until it was no longer necessary since the crewman had improved to the point of returning to work. The Captain of the ship was Sandy Bartram, VP5TI/R3, and both he and Dr. Hooper were grateful for Mike's help!

DAYTON HAMVENTION, SATURDAY, APRIL 26, 1980

The QCWA LUNCHEON - AT THE IMPERIAL HOUSE NORTH, GERMANY ROOM, AT 12:00 NOON, SENATOR BARRY GOLDWATER K7UGA, HAS BEEN INVITED TO ATTEND. ADVANCE REGISTRATION TICKETS (\$9.00 EACH) ARE A MUST, DUE TO LIMITED SPACE. CONTACT REGISTRATION CHAIRMAN, WALT WEHNER, W8TYL, 433 WAYNE DRIVE, FAIRBORN, OH 45324, SEND SASE FOR RETURN TICKET. OTHERWISE IT WILL BE HELD FOR PICKUP AT ENTRANCE TO GERMANY ROOM. SUGGEST HAMVENTIONS BUSES BE USED BETWEEN HAMVENTION AND IMPERIAL NORTH...NATIONAL QCWA BOARD MEETING PRECEDES THE LUNCHEON!

John Halliday, W5PIZ, has been experimenting with solar-energy for several years and has been one of those actively pioneering in the work.

It is our understanding that he will have a story published soon on the ways and means of solar power for Amateur Operators!

Harry Caldecott, VK2DA, sent in material for QCWA News, and commented regarding Fred Hammond, VE3HC.

A picture of Fred's layout was published on Page 88 of the Fall, 1979 issue of QCWA NEWS.

Bert Hay, VK2AE, has been awarded his 60-Year Gold Certificate.

Harry reports that new members are coming into the Sydney Chapter, and QCWA.

QCWADS

QCWADS ARE SPECIAL, LOW COST ADS ACCEPTED FOR PUBLICATION IN QCWA NEWS SUBJECT TO THE FOLLOWING RULES

No special layouts, all copy is re-typed by Headquarters. Time permitting, proof copies will be mailed before publication. One column inch refers to original copy, which will reduce to three quarters of an inch in the news.

RATES

Column Inches	1 Time	3 Times
1	\$3.00	\$7.50
2	\$5.00	\$12.50
3	\$7.00	\$17.50

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WANTED! In any condition Hallicrafters Super-Skyriders, any model, also plug in coils for Pilot Super Wasp, Hammarlund Comet Pro and National FB-7. Any old ham receivers especially FB-7, Comet Pro and RME-69. Write or call:

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of solar power for Amateur Operators!



Move over imports, here's the new **TEN-TEC**

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All new, all nine hf bands and only \$849!

**DELTA** — the symbol of change—the name of a great new TEN-TEC transceiver. A transceiver for changing times, with new features, performance, styling, size and value.

**TOTAL SOLID-STATE.** By the world's most experienced manufacturer of hf solid-state amateur radio equipment.

**ALL 9 HF BANDS.** First new transceiver since WARC. 160-10 Meters including the three new hf bands (10, 18 & 24.5 MHz). Ready to go except for plug-in crystals for 18 and 24.5 MHz segments (available when bands open for use).

**SUPER RECEIVER.** New, low noise double-conversion design, with 0.3  $\mu$ V sensitivity for 10 dB S+N/N.

**HIGH DYNAMIC RANGE.** 85 dB minimum to reduce overload possibility. Built-in, switchable, 20 dB attenuator for extreme situations.

**SUPER SELECTIVITY.** 8-pole monolithic SSB filter with 2.4 kHz bandwidth, 2.5 shape factor at 6/60 dB points. And optional 200 Hz and 500 Hz 6-pole crystal ladder filters. Eight pole and 6-pole filters cascade for 14 poles of near ultimate skirt selectivity. Plus 4 stages of active audio filtering. To sharpen that i-f response curve to just 150 Hz bandwidth, 4-position selectivity switch.

**BUILT-IN NOTCH FILTER.** Standard equipment. Variable, 200 Hz to 3.5 kHz, with notch depth down to -50 dB. Wipes out interfering carriers or CW.

**OFFSET TUNING.** Moves receiver frequency up to  $\pm 1$  kHz to tune receiver separately from transmitter.

**"HANG" AGC.** For smoother, clearer, receiver operation.

**OPTIONAL NOISE BLANKER.** For that noisy location, mobile or fixed.

**WWV RECEPTION.** Ready at 10 MHz.

**"S"/SWR METER.** To read received signal

strength and transmitted standing wave ratio. Electronically switched.

**SEPARATE RECEIVER ANTENNA JACK.** For use with separate receiving antenna, linear amplifier with full break-in (QSK) or transverters.

**FRONT PANEL HEADPHONE AND**

**MICROPHONE JACKS.** Convenient.

**DIGITAL READOUT.** Six 0.3" red LEDs.

**BROADBAND DESIGN.** For easy operation. Instant band change—no tuneup of receiver or final amplifier. From the pioneer, TEN-TEC.

**SUPER TRANSMITTER.** Solid-state all the way. Stable, reliable, easy to use.

**200 WATTS INPUT.** On all bands including 10 meters (with 50 ohm load). High SWR does not automatically limit you to a few watts output. Proven, conservatively rated final amplifier with solid-state devices warranted fully for the first year, and pro-rata for five more years.

**100% DUTY CYCLE.** All modes, with confidence. 20 minutes max. key-down time: Brought to you by the leader in solid-state finals, TEN-TEC.

**QSK — INSTANT BREAK-IN.** Full and fast, to make CW a real conversation.

**BUILT-IN VOX AND PTT.** Smooth, set-and-forget VOX action plus PTT control. VOX is separate from keying circuits.

**ADJUSTABLE THRESHOLD ALC & DRIVE.** From low level to full output with ALC control. Maximum power without distortion. LED indicator.

**ADJUSTABLE SIDETONE.** Both volume and pitch, for pleasant monitoring of CW.

**SUPER STABILITY.** Permeability tuned VFO with less than 15 Hz change per F° change over 40° range after 30 min. warmup—and

less than 10 Hz change for 20 Volt AC line change with TEN-TEC power supply.

**VERNIER TUNING.** 18 kHz per revolution, typical.

**SUPER AUDIO.** A TEN-TEC trademark. Low IM and HD distortion (less than 2%). Built-in speaker.

**SUPER STYLING.** The '80s look with neat, functional layout. "Panelized" grouping of controls nicely human engineered for logical use. New, smaller size that goes anywhere, fixed or mobile (4 $\frac{1}{4}$ "h x 11 $\frac{1}{2}$ "w x 15"d). Warm, dark front panel. Easy-to-read contrasting nomenclature. Black "clam-shell" aluminum case. Tilt bail.

**MODULAR/MASS-TERMINATION CONSTRUCTION.** Individual circuit boards with plug-in harnesses for easy removal if necessary. Boards are available.

**FULL ACCESSORY LINE.** All the options: Model 282 200 Hz CW filter \$50; Model 285 500 Hz CW Filter \$45; Model 280 Power Supply \$139; Model 645 Dual Paddle Keyer \$85; Model 670 Single Paddle Keyer \$34.50; Model 247 Antenna Tuner \$69; Model 234/214 Speech Processor & Condenser Microphone \$163; Model 215 PC Ceramic Microphone \$34.50; Model 283 Remote VFO; Model 287 Mobile Mount, and Model 289 Noise Blanker available soon.

Experience The Notable Change In HF Transceivers, Experience DELTA. See your TEN-TEC dealer or write for full details.

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